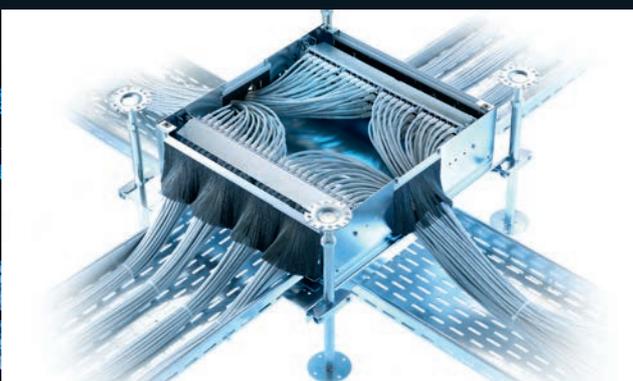
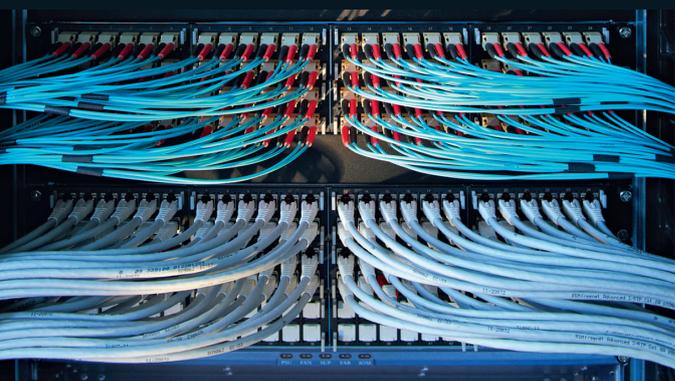


Product Catalogue Middle East, Turkey & Africa



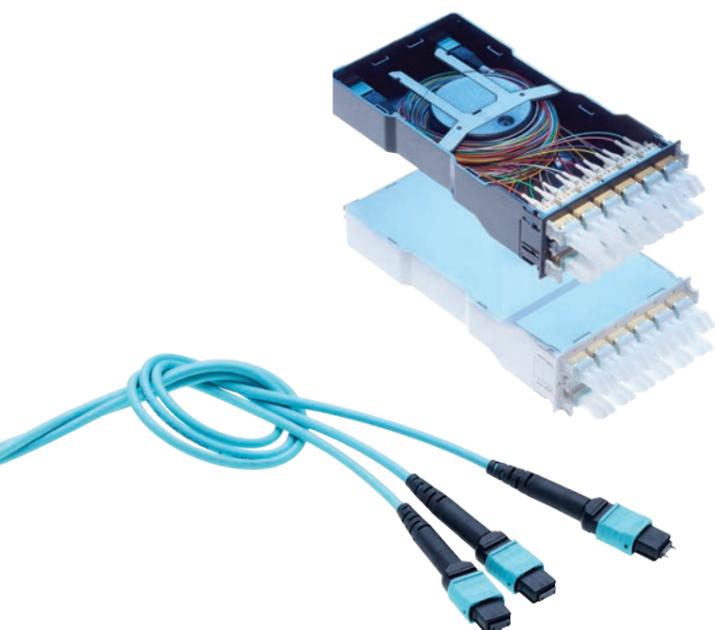
PASSIVE CABLING SOLUTIONS

Data Center & Office Cabling



Convincing cabling solutions

The HD MTP / MPO System: The easy way to 10, 40 & 100 Gigabit.



Flexible, Safety and Consistency

The number of network ports in data centers is on the increase. The cabling has to be greatly densified to ensure that it can be accommodated. And that entails major challenges for FO infrastructures.

The HD MTP, a new modular cabling system lets data centers reach this goal faster. This multi-fiber solution sets standards for port density and efficient use of space, for flexibility and safety as well as for convenient planning and installation. The HD MPO Module is the core product. It is a forward looking connectivity platform that ingeniously simplifies upgrades and migrations.

Efficient use of space

- High bandwidth in the tinniest of spaces
- Easy migration to 40/100 GbE
- Clever polarity method S
- Modular scalable system

R&MinteliPhy: Intelligent Infrastructure Management



Efficiency, Security and Profitability

R&MinteliPhy opens up a new era for network managers. Now, they can manage their physical infrastructure intelligently and fully automatic. Neither special cables nor new patch panels are needed. Note pads are things of the past, as are hard-to-manage tables.

R&MinteliPhy, data centers immediately improve the capacity utilization, profitability and availability. IT managers gain control over all ports and more. This is because R&MinteliPhy helps with analyses and documentation, with the introduction of standardized processes and with all typical management tasks associated with passive infrastructure.

AIM solution can be retrofitted

R&MinteliPhy Monitor and R&MinteliPhy Manage are two pillars of the AIM solution from R&M (AIM = Automated Infrastructure Management).

R&MinteliPhy Monitor consists of a small number of components that can be retrofitted: RFID tags for patch cord connectors, Sensorbars for patch panels and Analyzers for the network cabinets.

R&MinteliPhy Manage is the client-server solution with a central database installed on a Server in the LAN or available as a cloud-based service with numerous automating functions, routing and planning tools and extensive component libraries.



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R&M Headquarters



R&M Headquarters adopts a green approach.

As a leading Swiss company, R&M honors its obligation towards the environment. In keeping with its basic corporate principles, R&M is committed to its corporate social responsibility initiatives and the conservation of the scarce resources of the planet in a sustainable manner.

R&M considers that it's essential to employ manufacturing processes that have minimal impact on the environment, minimize the amount of waste produced, recycle materials and reduce energy consumption. For production, the organization uses environmentally compatible materials and conforms to international environmental directives such as the Restriction of Hazardous Substances (RoHS) directive, the Waste Electrical and Electronic Equipment (WEEE) directive and Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

R&M's newest manufacturing and logistics center- the R&M Cube- at its headquarters in Wetzikon is a testament to its commitment to green initiatives.

The energy design is also remarkable. In the summer, heat generated in production and operating processes and in cooling the rooms is conveyed by means of borehole heat exchangers to a large underground storage system through cover panels suffused with water. This stored thermal energy is then used to heat the building in winter. During the cold season, the water in the borehole heat exchangers is heated with a heat pump from 12 to about 36 degrees Celsius to heat the cover panels. In summer, this water, which has a temperature of 12 degrees Celsius, is used to cool the rooms. As a result, the CO2 emissions are 90% lower than in conventional buildings.

This modern building is symbolic of the innovative approach and social consciousness that drive R&M. Now in its 50th year of business, the family-owned enterprise has scaled to an impressive 700 employees and has seen world-wide market growth even during tough economic times. It has done so thanks to a combination of high-tech production and an ultra-modern product range.

The R&M Cube is one of the largest and most advanced low-energy corporate building in Switzerland.



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R&M Middle East, Turkey & Africa

The R&M Middle East, Turkey & Africa regional office is located in the Dubai Airport Free Zone. In order to successfully support our customers we have invested deeply in the region and have developed first level supports for:

- Supply Chain- SPEED
- Marketing and Communication- REACH
- Consultancy and Training- EXPERTISE
- Project Engineering and Customisation- FLEXIBILITY



R&M Middle East, Turkey & Africa's first level support: Supply chain

Speed to market is one of our key strengths in achieving our goals in the region. We are now even more efficient and capable of providing these services thanks to our supply chain and logistics team.



Patch Cord Assembly Facility in Dubai Regional Office

R&M Patch Cord Assembly Line is the first of its kind in the region and has significantly boosted the speed of its cabling solution delivery capabilities as well as being more customer oriented.



R&M's Middle East, Turkey & Africa's new training center :

Through the R&M Qualified Partner Program (QPP) we offer our customers, distributors, planners, installers and systems integrators a unique training and certification program. Training is conducted at the exceptionally well equipped training facility which offers excellent functionality and an ambiance suited for learning.

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Fiber To The Home: www.ftth.rdm.com
Regional Website: www.rdm.com/meta
Regional Movie: <http://www.youtube.com/watch?v=skyN2Z6WnwY>

Get more with R&M

R&M is one of the leading providers of passive cabling solutions for high quality communication networks. Worldwide, the company makes a crucial contribution to operational security in speech, data, and image transmission with copper and fiber-optic systems. As a system provider, R&M has set itself the goal of developing optimal functionality and, above all, fulfilling the highest quality criteria. In addition, R&M offers maximum installation and maintenance convenience. R&M solutions display their superiority through maximum availability with economical network operation. With high product quality and forward-looking design, R&M ensures that the networks will be capable in the future and that investments are secure in the long-term. R&M cabling solutions are used in office buildings, at network operators, in homes and in industry.



CELEBRATING
50 YEARS
OF CABLING
SOLUTIONS

SINCE
1964

GET MORE: SUCCESS

High-performance, reliable communication networks are decisive success factors for our customers. They expect investments in infrastructure to have a positive effect on profits, whether through higher productivity, reduced downtime costs or lower maintenance costs. This is why we do everything in our power to make our customers successful.

GET MORE: CONTINUITY

R&M is an independent Swiss family company and is wholly owned by the Reichle family. Since it was founded in 1964, the company has concentrated on the development and manufacture of passive cabling systems for communication networks (layer 1). R&M invest in long-term company development, in this way our customers always know where they stand.

GET MORE: SECURITY

Our products and services are aimed at greater stability and availability of networks. We achieve this through unique product quality. This guarantees long life and high performance. In addition, we intensively support planners, installers and end customers in system design, advise on the selection of systems and, on request, steer projects up to commissioning. In this way, we can influence the quality of the entire service performed.

GET MORE: INNOVATION

At R&M, great value is placed on research and development. For 50 years, we have bundled competency in the fields of high-frequency technology and fiber optics. This is a unique basis for ongoing innovation. We participate in the formulation of many international standards and recognize trends at an early stage. Our proximity to our partners enables us to develop innovative products, solutions, and services that meet customers' needs. Our system solutions set benchmarks with regard to modularity, application variety and flexibility. Our customers benefit from forward-thinking solutions that will also master future challenges.

GET MORE: QUALITY

Only goal-oriented quality management guarantees the constant improvement of products, services, and internal processes. R&M partners benefit worldwide from the uniformly high Swiss quality standard. The consistent quality philosophy can be seen in recognized certifications such as EN ISO 9001:2000. The competency of the R&M employees and the production expertise of R&M's suppliers are the pillars of our quality management system. For us, quality includes the responsible handling of resources and the protection of humans and the environment.

GET MORE: FLEXIBILITY

Special tasks require special solutions. In such cases, we develop individual products and special service packages together with our customers. With our international organization, we are large enough to implement this flexibility everywhere on-site. But we are also small and dynamic enough to be able to react quickly and unbureaucratically to customer wishes.

GET MORE: TEAM SPIRIT

We live the R&M family spirit. Our customers notice this and it benefits them immediately. They recognize R&M employees by their distinctive customer orientation. With short decision paths and collegial, team-oriented working manner, we promote individual initiative and creativity for the advantage of the customer.

GET MORE: CUSTOMER PROXIMITY

We believe in proximity to our customers, no matter where they may be. You will find us on the spot wherever people work with our products. This proximity to our customers enables us to recognize today the demands, trends, and developments that will move the market tomorrow. In addition to selecting the right product, the cabling must be professionally planned, installed and operated for the network solution to meet all customer demands. These are crucial factors that R&M takes into account. We have established a global network of competent R&M partners who professionally advise customers on-site and provide the ideal solution for the situation at hand.

R&M Data Center Solutions

With the top-quality modular cabling solutions from R&M, you make your data center substantially more flexible and efficient.

Pre-terminated and tested components and solutions substantially reduce the cost and the effort involved in installing, maintaining and expanding your infrastructure.

R&M data center solutions provide you with the security, reliability and flexibility you need in operations and help you carry out your future plans.

Get more:

Increased efficiency

Maximum flexibility

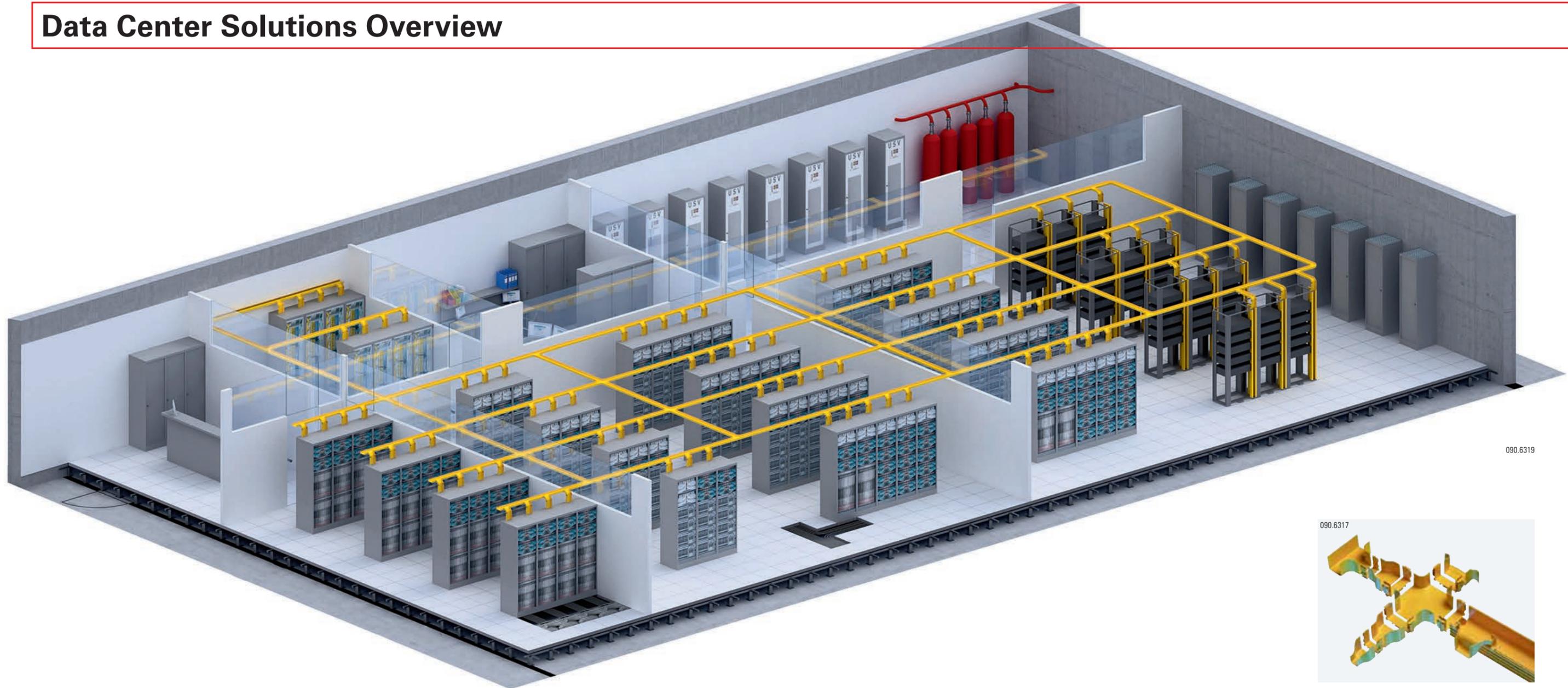
Maximum availability

Simplest installation

Effortless expansion

Sound and lasting investment

Data Center Solutions Overview



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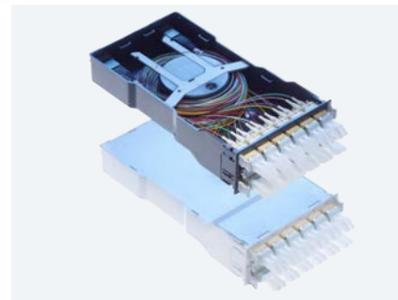
R&Mfreenet – Warranty Program

- Long-term system and application warranties genuinely protect your investments
- Certified R&M partner network for competent planning and installation
- Maximum operational reliability and availability thanks to globally uniform installation standards



High-density MPO/MTP® system

- Cabling systems for seamless migration from 10 Gbit/s to 40/100 Gbit/s
- Pre-terminated and factory-tested plug & play solutions for maximum quality
- MPO/MTP® connectors for reliable, fast and compact installations



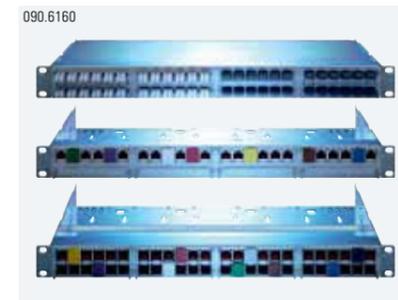
Efficient use of space

- High bandwidth in the tinniest of spaces
- Easy migration to 40/100 GbE
- Clever polarity method S
- Modular scalable system



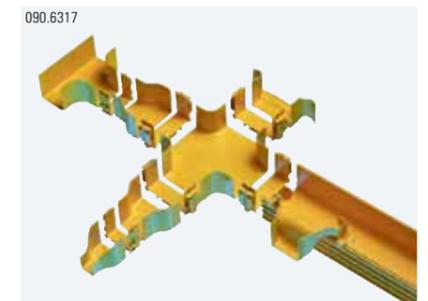
Plug & play systems

- Individually pre-terminated and tested cabling systems for copper and fiber optics
- Efficient, error-free installation for increased reliability in installation
- Significant reduction in installation times



Maximum packing density

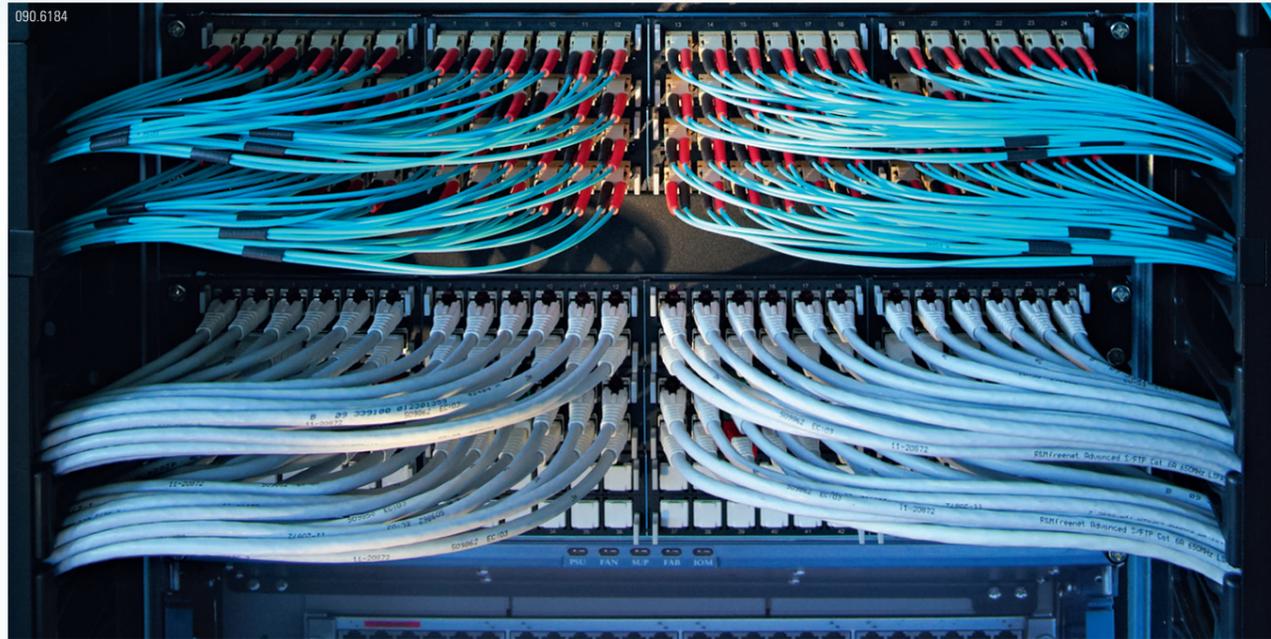
- Modularly designed panel offering maximum flexibility for copper and fiber optics
- More space for active components in the distribution cabinet thanks to its 48 ports per unit
- Complete scalability from 10 Gbit/s to 40/100 Gbit/s applications



Cable management

- Intuitive cable management for efficient work processes and maximum flexibility
- Simple handling thanks to end-to-end system requiring no tools
- All move, add and change requirements require no effort at all

Flexibility for your data center



Responding flexibly to every requirement

Applications such as cloud computing, cloud services and social media cause data volumes to skyrocket. Operators need ever more complex data centers with ever greater capacities to handle this situation. They are called on to implement constantly changing requirements efficiently despite mounting cost pressures. At the same time, planning and implementation cycles are becoming shorter and shorter, demanding a maximum in flexibility. Data center operators need profitable solutions that ensure maximum availability, suitability for consolidation and expansion, and maximum energy efficiency.

More efficiency and flexibility

Flexibility and efficiency in installation, operation and maintenance are therefore crucial factors in the differentiation of data centers from each other. This agility is based on a structured cabling solution that is neutral in terms of application and in compliance with the relevant industry standards. R&M is market and technology leader in high-quality, modular cabling systems for copper and fiber optics. Our components and solutions have been proving their mettle for years in daily service in data centers around the globe.

Solutions for the toughest demands

Cabling solutions from R&M meet the toughest demands on transmission quality, security and stability. Installation times are much shorter thanks to consistently modular design and fast installation technology. Move, add and change (MAC) requirements can be handled flexibly and efficiently. Operators can effortlessly carry out even complex migrations with individually pre-terminated and tested cabling links or application-ready distribution cabinets. R&M competently assists data centers with everything from design and installation to expansion and operation in addition to offering qualified on-site support.

Decisive benefits for your data center



R&M is your independent partner for high-quality cabling solutions with cutting-edge technology from a single source.

Increased efficiency in planning, installation and operation

With the modular cabling solutions from R&M, operators can plan systems quickly and easily and put them into operation without a hitch. These top-quality systems incorporate the latest technology and comply with standards for guaranteed reliability and performance with each connection. Pre-terminated copper and fiber-optic cables with fast-installation technology and convenient handling reduce installation work substantially.

Maximum availability

The high quality standards of R&M ensure reliable, uninterrupted operation to satisfy the highest service levels. New transmission technologies maximize performance. All components and solutions are thoroughly tested and examined before delivery. The innovative safety system prevents people from tampering with the network.

IMAC (installation, move, add, change) has never been easier

End-to-end modularity simplifies planning, installation and operation. With pre-terminated copper and fiber-optic cable, operators can maintain and expand their systems with the greatest of ease. Thanks to

the forward-looking MPO/MTP® portfolio, migration from 10 Gbit/s to 40/100 Gbit/s is absolutely trouble-free. Solutions for patch management and cable management as well as a clear, consistent labeling concept further simplify maintenance and administration.

Genuinely sound investment

With the structured cabling concept from R&M, you can set up the infrastructure independent of the architecture and it remains scalable and migratable. R&M quality management ensures the most stringent standards in product quality. The installations are executed by certified planners and installers from the Qualified Partner Program (QPP). The system warranty means long-term protection of each investment in a solution from R&M.

R&M Green Initiative

R&M solutions increase energy efficiency in data centers. All components are modular to allow optimum reuse. This approach helps to reduce the amount of material utilized. R&M insists on environmentally-friendly manufacturing processes that minimize the waste rate, recycle materials and save energy. In production, R&M uses materials that are compatible with the environment and international environmental directives (e.g. RoHS/WEEE/REACH).

For more information, please visit our website:

www.datacenter.rdm.com

R&MinteliPhy : Retrofittable AIM

RFID ON THE CONNECTORS

An RFID tag on the connector knows all there is to know about the cable. It is the source of information for the infrastructure management system. The retrofittable clip with the tag fits all R&M copper and fiber optic patch cords.



SENSORS ON THE PATCH PANEL

A Sensorbar contactlessly reads the information contained on the RFID tags. It can be mounted on all R&M HD patch panels. The Sensorbar records connectors and connections. LEDs signal the operating state and show where patching is needed.



ANALYZER IN THE CABINET

The Analyzer links Sensorbars with the Server. It monitors one or more cabinets, reading information from the Sensorbars via a bus cable and delivering the data to the Server. It is installed in a 19" cabinet or, to save space, on top hat rails.



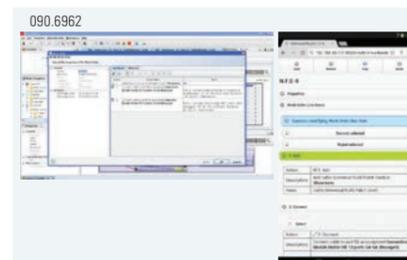
SERVER IN THE LAN

From its central position in the LAN or deployed as service in the cloud the R&MinteliPhy Manage Server monitors the entire infrastructure in real time. It offers a large selection of management / automation tools and interfaces to other systems.



ADMINISTRATION AT THE CLIENT

Any web browser or smartphone suffices for monitoring and management. The graphical user interface features intuitive operation and provides access to all functions.



MORE EFFICIENT MANAGEMENT IN DATA CENTERS

With R&M*inteliPhy*, data centers optimize their management and their infrastructure processes. The system records and monitors the network configuration centrally and in real time. It ensures complete monitoring of every port. Better use is made of resources as a result because the system knows which ports are free and which racks still have space available. The administrator is immediately alerted about unsolicited changes to the infrastructure. Repairs are faster and the availability of the data center increases. Network drawings, cabinet layouts, labels or connection plans can be created error-free with a few mouseclicks. The result: greater transparency, more efficient management of quality and risks, improved compliance, successful audits.



CENTRAL MANAGEMENT OF CAMPUS AND FACILITIES

R&M*inteliPhy* brings huge advances for IT managers. The system is capable of centrally managing large networks extending over many buildings and can handle connections between different sites. No one has to be on site to monitor a LAN or document patching changes. Change procedures can be standardized and automated. Optimum cable routes and link lengths can be computed in combination with geographical information systems, site and floor plans. Tree diagrams and network maps facilitate the overview of complex networks. The result: efficient IT management, more control and greater availability.



PLANNING INSTALLATIONS AND MAC

Network planners and IT responsables appreciate the abundance of functions, visualization tools and component libraries that come with R&M*inteliPhy* Manage. The client-server solution supports automatic routing, risk analysis and emergency assistance. The planning of new installations or MAC (move, add & change) is finished in no time. Templates for network components help with these tasks. The system creates work orders in logical sequence, complete with bills of materials, and sends them by e-mail to installation crews or to their smart phones. LEDs on the Sensorbars show which cables have to be connected to which ports. Work order execution is constantly monitored so the IT manager is aware of the current status at any time.



get more

More security

- Full control over all ports
- Real-time monitoring
- Automatic alarms
- Fewer patching mistakes
- Logging of all changes

More efficiency

- Standardized processes
- Central database
- Automatic routing
- Easy MAC planning
- Visual guidance at the patch panel

More profitability

- Greater availability
- Better capacity utilization
- Effective outsourcing
- Reduced operating expenses
- Short payback period



INTELLIGENT INFRASTRUCTURE MANAGEMENT

R&M*inteliPhy* opens up a new era for network managers. Now, they can manage their physical infrastructure intelligently and fully automatic. Neither special patch cords nor new patch panels are needed. Notepads are things of the past, as are hard-to-manage tables. With R&M*inteliPhy* data centers immediately improve the capacity utilization, profitability and availability. IT managers gain control over all ports and more. This is because R&M*inteliPhy* helps with analysis and documentation, with the introduction of standardized processes and with all typical management tasks associated with passive infrastructure.

RETROFITABLE AIM SOLUTION

R&M*inteliPhy* Monitor and R&M*inteliPhy* Manage are the two pillars of the AIM solution from R&M (AIM = Automated Infrastructure Management).

R&M*inteliPhy* Monitor consists of a small number of components that can be retrofitted: RFID tags for patch cords, Sensorbars for patch panels and Analyzers for the network cabinets. R&M*inteliPhy* Manage is the client-server solution with a central database installed on a server in the LAN or available as a cloud-based service with numerous automating functions, routing / planning tools and extensive component libraries.

That is all a company needs to manage the passive infrastructure of a data center or corporate network from any location. And R&M*inteliPhy* grows with a company's needs. Users have the flexibility to choose which part of their R&M infrastructure they want to automate and when.

OPTIMIZED OPERATIONS MANAGEMENT

A powerful AIM system is needed because data centers today have no more leeway. The utilization of resources has to be maximized. No one can allow themselves the luxury of delays, downtimes or mistakes. Change requests have to be carried

out immediately and without mistakes.

Manual administration also works but has serious drawbacks. Personnel resources and time are needed to update tables or databases. The information is never current and complete. That complicates trouble-shooting and MAC processes, not to mention optimum capacity utilization and controlled quality.

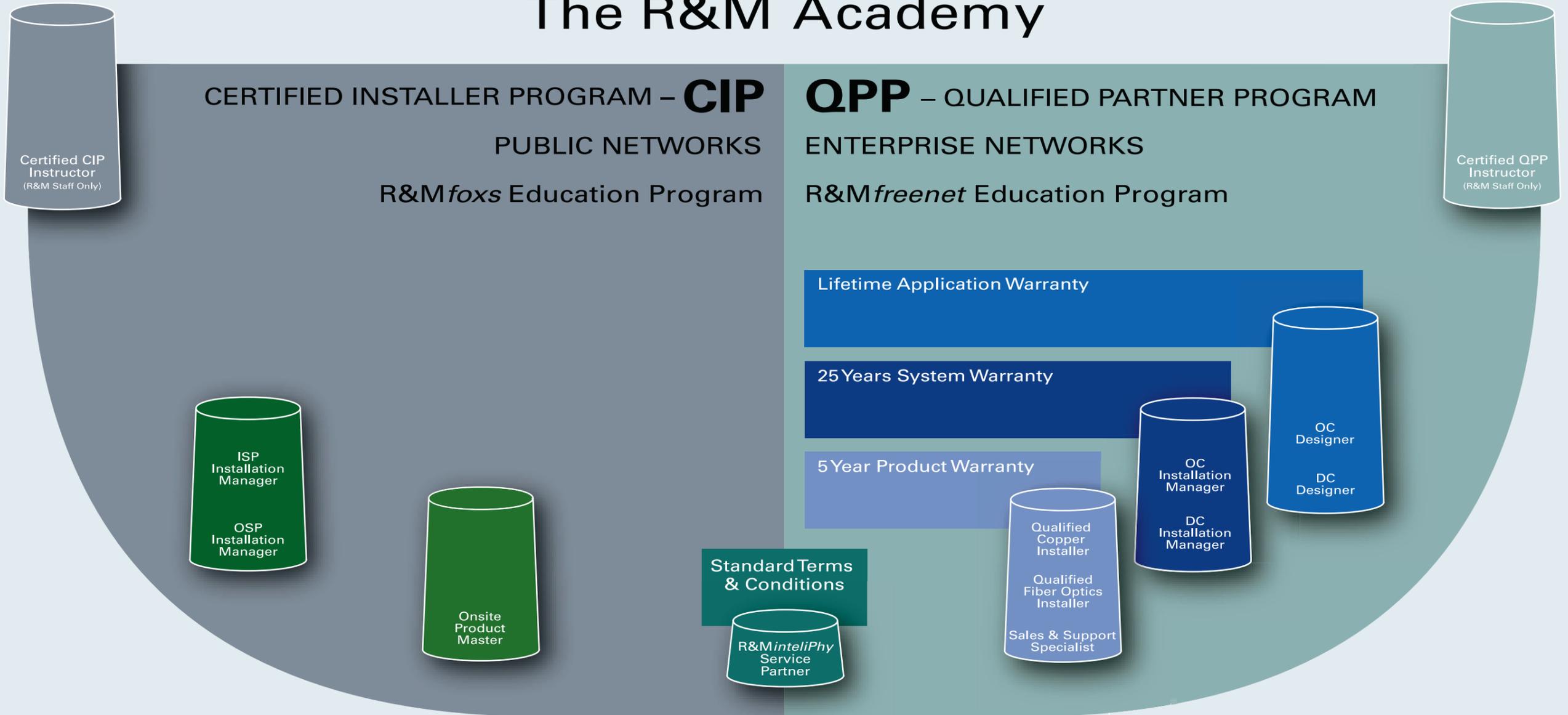
Finally, manual data management is subject to a natural error rate of 10%. That has consequences. Up to 28% of downtime in data centers can be traced to patching mistakes caused by insufficient documentation or a lack of process control. Over time, up to 40% of active switch ports disappear because of documentation errors. This is inefficient use of capital investments.

QUICK RETURN ON INVESTMENT

By contrast, an AIM system delivers a full overview about the status and configuration of the network and does so in real time at one central location. AIM replaces manual activities with standardized processes.

The payback period for an investment in an AIM system is typically less than a year. In other words, it is worthwhile to invest in AIM.

The R&M Academy



WITH SWISS PRECISION

The R&M name is your guarantee of no-compromise quality. In their manufacturing, R&M and all suppliers follow the best traditions of Swiss precision engineering. With QPP/CIP, R&M partners now extend this unique quality control system all the way to the end customer.



BEST CABLING SYSTEM

R&Mfreenet or R&Mfoxs is your first choice. You get more from this modular cabling system. In fact, it exceeds every standard in terms of performance, reliability and quality. The quick installation technique is efficient and exemplary.



FOR EVERY ENTERPRISE PROJECT

With R&Mfreenet, R&M partners can tackle any project whether it involves planning structured office and building cabling, installing networks in data centers or putting in the entire infrastructure for an industrial site.



IN GENUINE PARTNERSHIP

A company benefits lastingly once it becomes an R&M partner. Quality in business, reliable logistics, individual support... R&M has everything cabling pros need on a daily basis and offers eye-to-eye partnership that is both genuine and fair.



FOR EVERY FTTX AND WAN PROJECT

With R&Mfoxs, R&M Partners have the skills and experience to undertake any project, whether it involves installing outside plant material, planning a central office infrastructure or putting in a complete city-wide network ring.

OUR SYSTEM FOR SUCCESS

R&M's Qualified Partner Program (QPP) and Certified Installer Program (CIP) are as effective as the R&M cabling system. QPP/CIP turns cabling pros around the globe into experts in quality for copper and fiber-optic solutions.



Expert Installation

SUPPORT FOR PARTNERS

With the R&M Academy R&M ensures top-notch training and installations worldwide. R&M uses only highly qualified employees from its own ranks as instructors.

QUALIFICATION THROUGH THE R&M ACADEMY TRAINING PROGRAMS

Graduates from the R&M Academy receive an ID Card along with a certificate and unrestricted permission to install R&M *freenet* and/or R&M *foxs* systems.

QPP – R&M *freenet* EDUCATION PROGRAM

R&M offers installers the choice of copper and/or fibre in-depth, hands-on training to enable them to install, test and fault-find enterprise cabling systems to the highest quality.

Distributors can participate in the R&M *freenet* Education Program through the "Sales and Support Specialist" Course, which trains them to make the right choices for product specification and selection for their customers.

Installation managers are responsible for proper and professional installation and for quality control for R&M *freenet* systems. They receive comprehensive support from R&M. They can give their customers a twenty five-year R&M system warranty for correctly installed structured cabling solutions in one of two disciplines:

- Office Cabling
- Data Center

Designers take full responsibility for projects, for compliance with standards and for the proper and professional implementation of the cabling system. They work according to R&M installation and quality guidelines. They have a decisive influence on the performance and operational reliability of the planned data and communication networks. R&M extends a life-long application warranty for any projects they carry out.

There are two disciplines a designer can choose:

- Office Cabling
- Data Center

WHO CAN BENEFIT FROM THE R&M ACADEMY?

Installers, network planners and designers, distributors, distribution partners, IT consultants, service and maintenance personnel, users, network administrators, facility managers.

HOW TO BECOME AN R&M PARTNER

Talk with the R&M market organization in your country. If you are serious about offering your customers products and installation work of impeccable quality, we are certain to come to an agreement.

EXPERTISE AND A GOOD REPUTATION

R&M Academy participants can receive continuing education credits (CEC) from the professional IT association BICSI (Building Industry Consulting Service International), putting them well on their way to becoming internationally recognized network experts RCDD (Registered Communications Distribution Designer).

www.rdm.com/RMacademy

Everything R&M partners need for their success is available online: warranty program, test guidelines, certification request and partner agreement. For more information, please visit www.rdm.com/RMacademy.



090.5473

Product data online

The entire R&M product line can also be found online with plenty of additional information and extra functionality. For example, with a few clicks, you can produce a comprehensive and professional attachment to your quotations or extensive documentation of selected products for your customer or your own project.

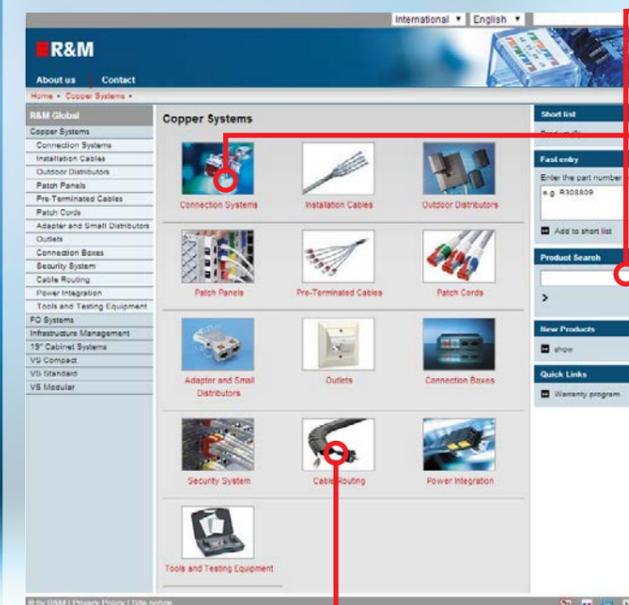
The way to the product



Menu with identical structure as in the printed version.

Search with R-number or product name.

The product page

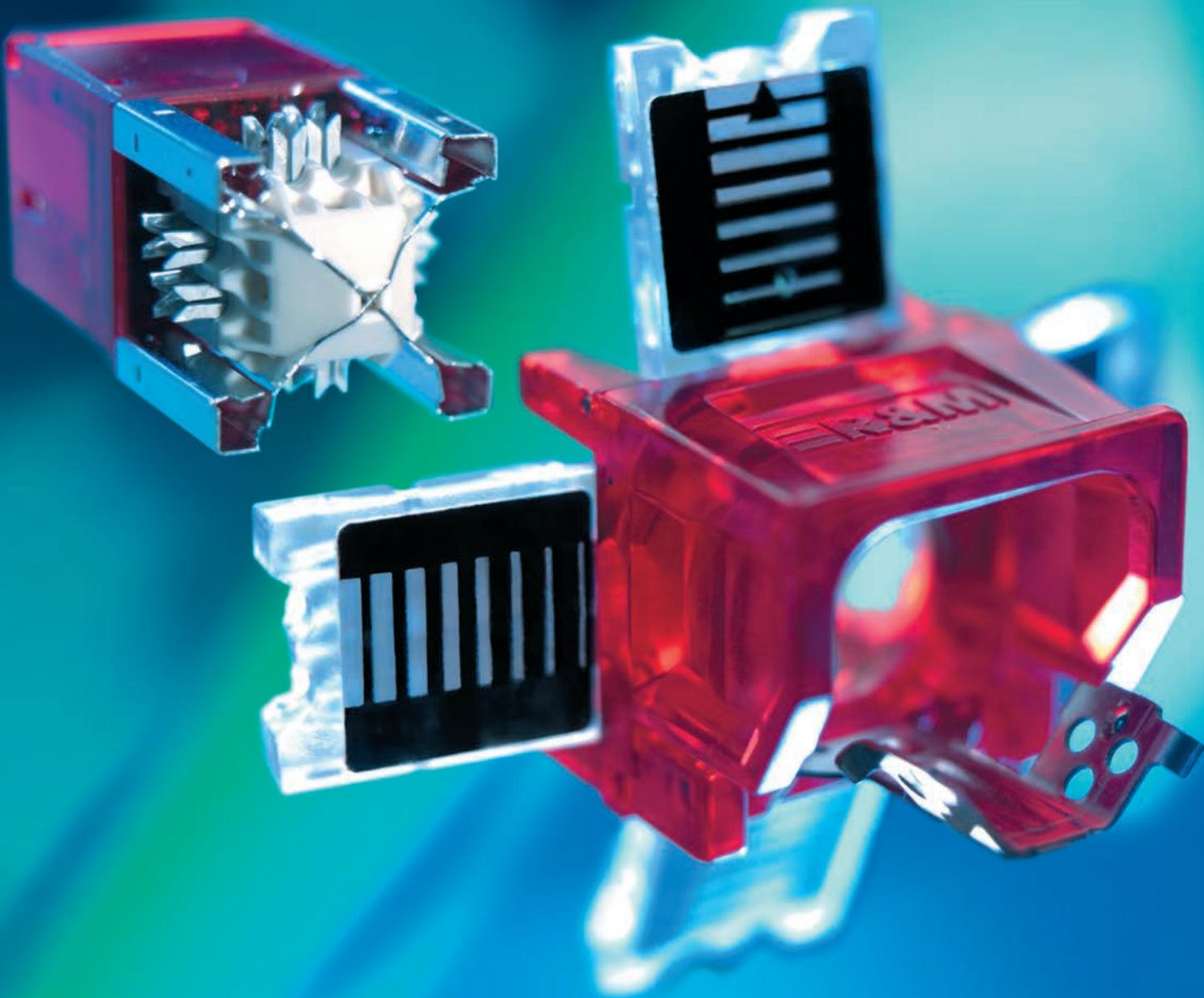


Collect interesting products in a shortlist.

Find comprehensive information on the product from the tabs.

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090.5434



Features

- Exceeds the Cat.6A ISO specification (mated) for the entire re-embedded plug range as specified by IEC 60603-7-51 (shielded), 60603-7-41 (unshielded) and IEC 60512-27-100. Exceeds the Cat.6A specification (mated) for the entire re-embedded plug range as specified by TIA/EIA 568-C.2
- Achieves exceptional margins when installed as part of an R&M Cat.6A ISO 4-connector channel or permanent link, exceeding the IEEE 802.3an minimum requirements for 10GBASE-T performance, as well as the requirements for Class EA performance according to ISO/IEC 11801 ed. 2.2, 2011, and Cat.6A performance according to TIA/EIA 568-C.2
- Automatic cutting of wires for precise, consistent termination
- X-Separator isolates pairs from each other, minimizing influence of cable termination on NEXT performance
- Use of all four sides of modules maximizes distance between pairs for optimum performance
- GHMT and 3P certifications for Cat.6A ISO component performance



Special packing unit for installers.

100 connection modules RJ45. Saves time and waste.

Ordering Information

Description

MOQ

Part Number

090.5360



Connection Module Cat.6A ISO, 1xRJ45/s,

Supplied:

- RJ45 Cat.6A ISO connection module, shielded
- Mounting plate
- EMC cover
- Dust cover
- Cable tie
- Installation instructions

10x

10

R509504

100x

100

R509505

090.5447



Connection Module Cat.6A ISO, 1xRJ45/u,

Supplied:

- RJ45 Cat.6A ISO connection module, unshielded
- Mounting plate
- Dust cover
- Cable tie
- Installation instructions

10x

10

R509500

100x

100

R509501

090.5361



Connection Module Cat.6A ISO, 1xRJ45/s, Snap-in,

Supplied:

- RJ45 Cat.6A ISO connection module, shielded
- Snap-in adapter
- EMC cover
- Dust cover
- Cable tie
- Installation instructions

10x

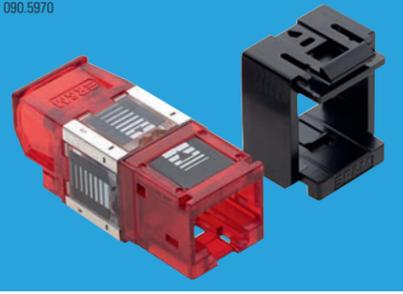
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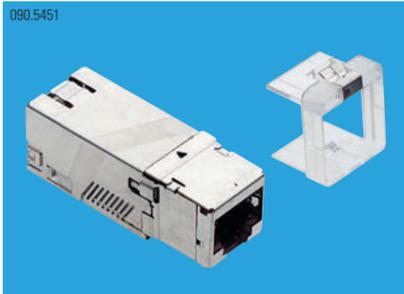
R509506

100x

100

R509507

Ordering Information	Description	MOQ	Part Number
090.5973 	Connection Module Cat.6A ISO, 1xRJ45/s, Snap-in, black, Supplied: – RJ45 Cat.6A ISO connection module, shielded – Snap-in adapter – EMC cover – Dust cover – Cable tie – Installation instructions 24x	24	R511999
090.5448 	Connection Module Cat.6A ISO, 1xRJ45/u, Snap-in, Supplied: – RJ45 Cat.6A ISO connection module, unshielded – Snap-in adapter – Dust cover – Cable tie – Installation instructions 10x 100x	10 100	R509502 R509503
090.5970 	Connection Module Cat.6A ISO, 1xRJ45/u, Snap-in, black, Supplied: – RJ45 Cat.6A ISO connection module, unshielded – Snap-in adapter – Dust cover – Cable tie – Installation instructions 24x	24	R511998
090.5359 	Connection Module Cat.6A ISO, 1xRJ45/s, Special, Supplied: – RJ45 Cat.6A ISO connection module, shielded, without mounting plate – EMC cover – Dust cover – Cable tie – Installation instructions 10x 100x	10 100	R803927 R510088
090.5449 	Connection Module Cat.6A ISO, 1xRJ45/u, Special, Supplied: – RJ45 Cat.6A ISO connection module, unshielded, without mounting plate – Dust cover – Cable tie – Installation instructions 10x 100x	10 100	R803926 R510087

Ordering Information	Description	MOQ	Part Number
090.5451 	Connection Module Cat.6A ISO, 1xRJ45/s, Keystone, Supplied: – RJ45 Cat.6A ISO connection module, shielded, with Keystone adapter – EMC cover – Dust cover – Cable tie – Installation instructions 10x	10	R509509
090.5450 	Connection Module Cat.6A ISO, 1xRJ45/u, Keystone, Supplied: – RJ45 Cat.6A ISO connection module, unshielded, with Keystone adapter – Dust cover – Cable tie – Installation instructions 10x	10	R509508
090.6795 	Connection Module Cat.6A ISO, 1xRJ45/s, adapter No.1, Supplied: – RJ45 Cat.6A ISO connection module, shielded, with adapter No.1 – EMC cover – Dust cover – Cable tie – Installation instructions 10x	10	R808370
090.6789 	Connection Module Cat.6A ISO, 1xRJ45/u, adapter No.1, Supplied: – RJ45 Cat.6A ISO connection module, unshielded, with adapter No.1 – Dust cover – Cable tie – Installation instructions 10x	10	R808371

Connection Systems
RJ45 Connection Modules Cat.6
Real10 Cat.6

أنظمة التوصيل
وحدات توصيل RJ45 طراز Cat.6
Real10 Cat.6

010.2857



Features

- As part of a Real10 Cat.6 channel, the Real10 connection module exceeds the minimum requirements of the IEEE 802.3an standard on 10GBASE-T performance, as well as the requirements for Class EA performance acc. to ISO/IEC 11801 ed. 2.2, June 2011 and Cat. 6A performance according to TIA/EIA 568-C.2
- Exceeds Cat.6 specifications acc. to ISO/IEC 11801, EN 50173 and TIA/EIA 568C in the entire admissible range
- Maximum reliability through special contact design without internal transfer points
- Capacitive and inductive compensation
- Delta, GHMT and 3P certified

i Special packing unit for installers.
100 connection modules RJ45. Saves time and waste.

Ordering Information	Description	MOQ	Part Number
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010.2859



Connection Module Real10 Cat.6, 1xRJ45/s,

- Supplied:
- RJ45 Real10 Cat.6 connection module, shielded
 - Mounting plate
 - EMC cover
 - Dust cover
 - Cable tie
 - Installation instructions

10x	10	R302372
100x	100	R304327
500x	500	R510081

090.2213



Connection Module Real10 Cat.6, 1xRJ45/u,

- Supplied:
- RJ45 Real10 Cat.6 connection module, unshielded
 - Mounting plate
 - WARP cover
 - Dust cover
 - Cable tie
 - Installation instructions

10x	10	R313064
100x	100	R313083

010.2857



Connection Module Cat.6, 1xRJ45/u,

- Supplied:
- RJ45 Cat.6 connection module, unshielded
 - Mounting plate
 - Dust cover
 - Cable tie
 - Installation instructions

10x	10	R302373
100x	100	R304328
500x	500	R509917

Connection Systems
RJ45 Connection Modules Cat.6
Real10 Cat.6

أنظمة التوصيل
وحدات توصيل RJ45 طراز Cat.6
Real10 Cat.6

Ordering Information	Description	MOQ	Part Number
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010.2016.1

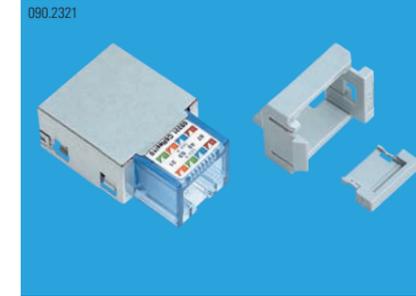


Connection Module Real10 Cat.6, 1xRJ45/s, Snap-in,

- Supplied:
- RJ45 Real10 Cat.6 connection module, shielded
 - Snap-in adapter
 - EMC cover
 - Dust cover
 - Cable tie
 - Installation instructions

10x	10	R304373
100x	100	R308732
500x	500	R510083
24x Black	24	R512370

090.2321



Connection Module Real10 Cat.6, 1xRJ45/u, Snap-in,

- Supplied:
- RJ45 Real10 Cat.6 connection module, unshielded
 - Snap-in adapter
 - WARP cover
 - Dust cover
 - Cable tie
 - Installation instructions

10x	10	R313090
100x	100	R313092

010.2017.1



Connection Module Cat.6, 1xRJ45/u, Snap-in,

- Supplied:
- RJ45 Cat.6 connection module, unshielded
 - Snap-in adapter
 - Dust cover
 - Cable tie
 - Installation instructions

10x	10	R304374
100x	100	R308734
500x	500	R510082
24x Black	24	R512369

Ordering Information	Description	MOQ	Part Number
010.2016	<p>Connection Module Real10 Cat.6, 1xRJ45/s, Special, Supplied:</p> <ul style="list-style-type: none"> - RJ45 Real10 Cat.6 connection module, shielded, without mounting plate - EMC cover - Dust cover - Cable tie - Installation instructions <p>20x</p>	20	R305113
090.2317	<p>Connection Module Real10 Cat.6, 1xRJ45/u, Special, Supplied:</p> <ul style="list-style-type: none"> - RJ45 Real10 Cat.6 connection module, unshielded, without mounting plate - WARP cover - Dust cover - Cable tie - Installation instructions <p>20x</p>	10	R313084
010.2017	<p>Connection Module Cat.6, 1xRJ45/u, Special, Supplied:</p> <ul style="list-style-type: none"> - RJ45 Cat.6 connection module, unshielded, without mounting plate - Dust cover - Cable tie - Installation instructions <p>20x</p>	20	R305114
010.2016	<p>Connection Module Real10 Cat.6, 1xRJ45/s, Flap Jack, The module is designed for use with Flap Jack module holders and Flap Jack wall plates. Supplied:</p> <ul style="list-style-type: none"> - RJ45 Real10 Cat.6 connection module, shielded, without mounting plate - Modified EMC cover - Dust cover - Cable tie - Installation instructions <p>20x</p>	20	R305764
090.2317	<p>Connection Module Real10 Cat.6, 1xRJ45/u, Flap Jack, The module is designed for use with Flap Jack module holders and Flap Jack wall plates. Supplied:</p> <ul style="list-style-type: none"> - RJ45 Real10 Cat.6 connection module, unshielded, without mounting plate - Modified WARP cover - Dust cover - Cable tie - Installation instructions <p>20x</p>	20	R313103

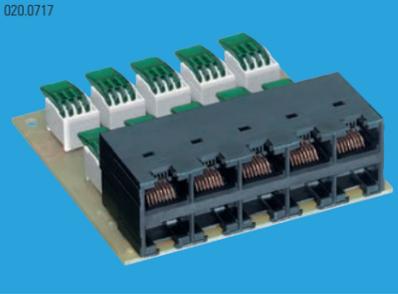
Ordering Information	Description	MOQ	Part Number
090.5327	<p>Connection Module Cat.5e, 1xRJ45/s, Supplied:</p> <ul style="list-style-type: none"> - RJ45 Cat.5e connection module, shielded - Mounting plate - EMC cover - Dust cover - Cable tie - Installation instructions <p>10x 100x</p>	10 100	R925370 R304325
090.5327	<p>Connection Module Cat.5e, 1xRJ45/u, Supplied:</p> <ul style="list-style-type: none"> - RJ45 Cat.5e connection module, unshielded - Mounting plate - Dust cover - Cable tie - Installation instructions <p>10x 100x</p>	10 100	R925371 R304326
090.5332	<p>Connection Module Cat.5e, 1xRJ45/s, Snap-in, Supplied:</p> <ul style="list-style-type: none"> - RJ45 Cat.5e connection module, shielded - Snap-in adapter - EMC cover - Dust cover - Cable tie - Installation instructions <p>10x 100x</p>	10 100	R302780 R308731

Features

- Exceeds the Cat.5e specification (mated) for the entire de-embedded plug range as specified by the standards (ISO/IEC 11801, EN 50173 and TIA/EIA 568C)
- Attains Cat.5e values together with Cat.5e patch cables, as specified in standard IEC 11801 Ed. 2.2
- Achieves best transmission characteristics with R&Mfreenet Cat.5e patch cables
- Gold-plated contact area and tin-plated insulation displacement contact area
- Maximum reliability through special contact design that does not use internal transfer points such as printed circuit board
- Capacitive and inductive compensation

i **Special packing unit for installers.**
100 connection modules RJ45. Saves time and waste.

Ordering Information	Description	MOQ	Part Number
090.5331 	Connection Module Cat.5e, 1xRJ45/u, Snap-in, Supplied: – RJ45 Cat.5e connection module, unshielded – Snap-in adapter – Dust cover – Cable tie – Installation instructions 10x 100x	10 100	R302518 R308733
090.5329 	Connection Module Cat.5e, 1xRJ45/s, Special, Supplied: – RJ45 Cat.5e connection module, shielded, without mounting plate – EMC cover – Dust cover – Cable tie – Installation instructions 20x	20	R305111
090.5330 	Connection Module Cat.5e, 1xRJ45/u, Special, Supplied: – RJ45 Cat.5e connection module, unshielded, without mounting plate – Dust cover – Cable tie – Installation instructions 20x	20	R305112
090.5329 	Connection Module Cat.5e, 1xRJ45/s, Flap Jack, The module is designed for use with Flap Jack module holders and Flap Jack wall plates. Supplied: – RJ45 Cat.5e connection module, shielded, without mounting plate – Modified EMC cover – Dust cover – Cable tie – Installation instructions 20x	20	R305763

Ordering Information	Description	MOQ	Part Number
020.0717 	Features – Cat.3 compliant in accordance with ISO/IEC 11801, EN 50173 and EIA/TIA 568A – Tool-free "EASY Lock" termination technology (IDC) for cables with wire Ø 0.25 mm to 0.65 mm (AWG 30-22). Stranded wires = AWG 26/7 to 24/7. Admissible insulation Ø 0.7 mm to 1.6 mm		
020.0717 	Connection Module 10xRJ45/u (4-5, 3-6) Connection module with 10 unshielded RJ45 ports. Tool-free "Easy Lock" termination technique. i Wiring chart see specifications RJ45 voice connection modules.	1	R35116
020.0717 	Connection Module 10xRJ45/u (4-5, 7-8) Category 3 connection module with 10 unshielded RJ45 ports. Tool-free "Easy Lock" termination technique. i Wiring chart see specifications RJ45 voice connection modules.	1	R301388
020.0719 	Concentrator Module IN 8xRJ45/u, OUT 2xRJ45/u With the capacity of concentrating four 2-wire services on one RJ45 port. In combined use with the matching telephony adapters (R35121) all eight conductors can be fully used in generic cabling systems. i Wiring chart see specifications RJ45 voice connection modules.	1	R35122



- Features**
- Fulfills all Cat. 6 requirements specified in the relevant cabling standards (ISO/IEC 11801, EN 50173 and TIA/EIA 568B/C)
 - Achieves Class E performance when installed as part of an R&M permanent link
 - Compatible with Cat. 6 standard plugs
 - Fits into all R&Mfreenet patch panels, most R&M outlets and many third party platforms through the use of adapters, e.g. freenet module holder plate, snap-in, Adapter No.1 and keystone
 - Very short design for applications with restricted space

Ordering Information	Description	MOQ	Part Number
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- Coupler Cat.6, RJ45/s**
Supplied:
– RJ45 Cat.6 coupler, shielded
– Mounting plate
- 1 R509100



- Coupler Cat.6, RJ45/s, Snap-in**
Supplied:
– RJ45 Cat.6 coupler, shielded
– Snap-in adapter
- 1 R509115



- Coupler Cat.6, RJ45/s, Adapter No.1**
Supplied:
– RJ45 Cat.6 coupler, shielded
– Adapter No.1
- 1 R509087



- Coupler Cat.6, RJ45/s, Keystone**
Supplied:
– RJ45 Cat.6 coupler, shielded
– Keystone adapter
- 1 R509113

Ordering Information	Description	MOQ	Part Number
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- Coupler Cat.6, RJ45/s, Special**
Supplied:
– RJ45 Cat.6 coupler, shielded without mounting plate
- 1 R509114



- Coupler Cat.6, RJ45/u**
Supplied:
– RJ45 Cat.6 coupler, unshielded
– Mounting plate
- 1 R509088



- Coupler Cat.6, RJ45/u, Snap-in**
Supplied:
– RJ45 Cat.6 coupler, unshielded
– Snap-in adapter
- 1 R509091



- Coupler Cat.6, RJ45/u, Adapter No.1**
Supplied:
– RJ45 Cat.6 coupler, unshielded
– Adapter No.1
- 1 R509092



- Coupler Cat.6, RJ45/u, Keystone**
Supplied:
– RJ45 Cat.6 coupler, unshielded
– Keystone adapter
- 1 R509089



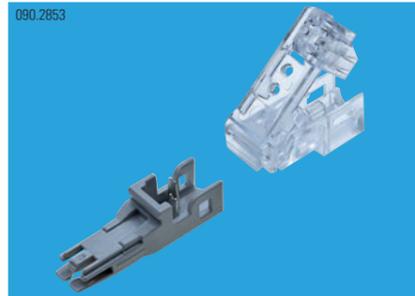
- Features**
- Maximum use of the horizontal cabling
 - Based on the RJ45 connection system
 - Fully compatible with the R&Mfreenet cabling system
 - Suitable for shielded and unshielded cabling
 - Integral color coding

Ordering Information	Description	MOQ	Part Number
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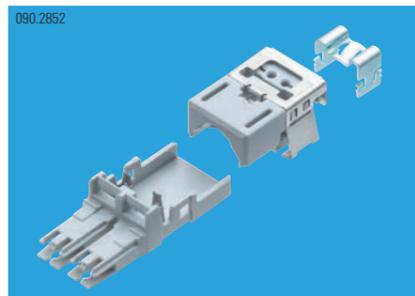
RMS45 Microsplitter Insert, shielded
Matching all R&Mfreenet RJ45 connection modules Cat.5e, Cat.6 and Cat.6A. Employable on the patch panel as well as at the workplace outlet. Allows the cable sharing of up to four services by using RMS45 connectors. Tool-free mounting.
Supplied:
– RMS45 insert
– Color coding, green and yellow
– Installation instructions

2 R319034



RMS45 Plug 1-Pair, unshielded
Field-terminated 1-pair plug, unshielded. Fast and simple connecting, requiring no special tools.
Cable information:
– Telephone ribbon cables 2.5x5 mm
– Round cables up to Ø 3.4 mm
– Patch wires 2x0.5 mm
– Wires and strands AWG26-24
– Conductor insulation max. Ø 1.1 mm

10 R319035



RMS45 Plug 2-Pair, shielded
Field-terminated 2-pair plug, shielded. Fast and simple connecting.
Cable information:
– Round cables Ø 3.2 mm up to Ø 5.5 mm
– Wires and strands AWG26-24
– Conductor insulation max. Ø 1.1 mm

10 R319036



Adapter Cord 1P, RMS45-RJ11 (3-4),
For analog / digital telephones.
Connection cable: ribbon, black.
Cable: U/UTP.
Outer jacket: PVC.
1.0 m
2.0 m
3.0 m
5.0 m

10 R319037
10 R319038
10 R319039
10 R319040

Ordering Information	Description	MOQ	Part Number
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Adapter Cord 1P, RMS45-RJ45 (4-5),
Cat.3 adapter cable.
Connection cable: round, black.
Cable: U/UTP.
Outer jacket: PVC.
1.0 m
2.0 m
3.0 m
5.0 m

10 R319041
10 R319042
10 R319043
10 R319044



Adapter Cord 2P, RMS45-RJ45 (4-5 3-6),
For ISDN telephones.
Connection cable: ribbon, black.
Cable: U/UTP.
Outer jacket: PVC.
1.0 m
2.0 m
3.0 m
5.0 m

10 R319045
10 R319046
10 R319047
10 R319048



Adapter Cord Cat.5e, SF/UTP, 2P, LSFRZH, RMS45-RJ45/s (1-2 3-6),
Shielded Cat.5e patch cord for Fast Ethernet (100 Base-T).
Cable: SF/UTP.
Outer jacket: LSFRZH.
Color coding: yellow, TIA/EIA 568A.
1.0 m
2.0 m
3.0 m
5.0 m

10 R319049
10 R319050
10 R319051
10 R319052



Adapter Cord Cat.5e, U/UTP, 2P, PVC, RMS45-RJ45/u (1-2 3-6),
Unshielded Cat.5e patch cord for Fast Ethernet (100 Base-T).
Cable: U/UTP.
Outer jacket: PVC.
Color coding: yellow, TIA/EIA 568A.
1.0 m
2.0 m
3.0 m
5.0 m

10 R319053
10 R319054
10 R319055
10 R319056



Balun Connection Cable 2P, RMS45-Coax,
This shielded CATV Balun cable allows the adaptation of coaxial 75 Ohm signals (CATV) to 100 Ohm twisted-pair cables.
2.5 m
5.0 m

1 R319065
1 R319066



Features

- First tool-free, field-terminated Cat.5e/RJ45 connector
- Wide range of applications, dependable solid construction, highest Swiss quality
- Accepts unshielded (U/UTP) and shielded (S/FTP) cables up to 8 mm in diameter, and wires or strands up to AWG 26 to AWG 22
- Long-term stability, vibration resistance, strain relief and the possibility of repeated termination provided by IDC conductor contacting plus quick mounting technique
- Cable shield EMC protection > 180°
- Optical coding with color coding clips

Ordering Information	Description	MOQ	Part Number
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	FM45 Connector IP20, Field-terminated RJ45 connector with housing. Color housing: gray (RAL 7042). Color termination block: gray (RAL 7035). Supplied: – RJ45 connector kit – Housing IP20 – Instruction manual		
	4P, TIA 568A (AWG26-23)	10	R312231
	4P, TIA 568B (AWG26-23)	10	R320374
	2P, PNO (AWG26-23)	10	R320372

	FM45 Connector IP20, Field-terminated RJ45 connector with housing. Color housing: gray (RAL 7042). Color termination block: white (RAL 9010). Supplied: – RJ45 connector kit – Housing IP20 – Instruction manual		
	4P, TIA 568A (AWG23-22)	10	R510667

	FM45 Connector IP20, Field-terminated RJ45 connector, unshielded with housing, angled. Color housing: gray (RAL 7042). Color termination block: gray (RAL 7035). Supplied: – RJ45 connector kit – Housing IP20 – Instruction manual		
	4P, TIA 568A (AWG26-23), angled	10	R803498
	4P, TIA 568B (AWG26-23), angled	10	R803499

	FM45 Connector IP67, type 06, Suitable for shielded and unshielded cables. No tools required for connection of strands and solid wire (AWG 26 - 23). Supplied: – Nut – Strain relief element – Connector housing IP67, type 06 – FM45 connector, 4P, TIA 568A, Cat.5e – IP67 protection cap – Instruction manual		
	4P, TIA 568A (AWG26-23)	10	R314686



The RJ45 IP65/IP67 complies with IAONA requirements for heavy duty environments. IAONA stands for international alliance of manufacturers and operators of automation systems, and among other things, they set up the industrial Ethernet standards. By IAONA definition heavy duty means demanding production environments as defined in protection index IP67 and standard IEC 60529.

Ordering Information	Description	MOQ	Part Number
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	FM45 Connector Body, Field-terminated RJ45 connector for all housings FM45. Supplied: – RJ45 connector kit – Instruction manual		
	2P, PNO (AWG23-22)	10	R510107
	2P, PNO (AWG26-23)	10	R320370
	4P, TIA 568A (AWG23-22)	10	R510108
	4P, TIA 568A (AWG26-23)	10	R320375
	4P, TIA 568B (AWG23-22)	10	R510109
	4P, TIA 568B (AWG26-23)	10	R320376

	FM45 Connector Housing IP67, Type 06, plastic Connector housing, empty, to be fitted with shielded or unshielded FM45 plug connectors. Housing material: plastic (PA). Color: gray.		
		10	R320691

	Mounting Frame IP67, Type 06, plastic Compatible with SC-RJ and RJ45 one-channel module. Supplied: – Mounting frame – Gasket – 4 screws M3x11.5 – 4 screw KA30x10		
		1	R309588

	Protective Cover IP67, type 06, plastic Cover protecting the contact insert in the IP67 adapter frame type 06.		
		5	R309589

Installation Cables
Cat.7 and Cat.7A
Real10

كابلات توصيل
Cat.7A و Cat.7
طرز Real10



- Features**
- 100 Ohm installation cable
 - Suitable for voice, video and data transmission
 - For frequencies from 650 MHz up to 1500 MHz

Ordering Information	Description	MOQ	Part Number
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Installation Cable Real10 Cat.7A, S/FTP,
Real10 Cat.7A, S/FTP cable. Foil and tin-plated copper braid shielding. 100 Ohm impedance. Data transmission frequency of up to 1500 MHz.
4P, 1500 MHz, LSFRZH, 500 m

500 R507032



Installation Cable Real10 Cat.7A, S/FTP,
Real10 Cat.7A, S/FTP cable. Foil and tin-plated copper braid shielding. 100 Ohm impedance. Data transmission frequency of up to 1200 MHz.
4P, 1200 MHz, AWG23, LSZH, 500 m
4P, 1200 MHz, AWG23, LSZH, 1000 m
4P, 1200 MHz, AWG23, LSFRZH, 500 m
4P, 1200 MHz, AWG22, LSFRZH, 500 m

500 R809800
1000 R809802
500 R319522
500 R306257



Installation Cable Real10 Cat.7, S/FTP,
Real10 Cat.7, S/FTP cable. Foil and tin-plated copper braid shielding. 100 Ohm impedance. Data transmission frequency of up to 1000 MHz.
4P, 1000 MHz, LSZH, 500 m
4P, 1000 MHz, LSFRZH, 500 m
4P, 1000 MHz, LSFRZH, 1000 m
4P, 1000 MHz, LSFRZH, CA+, 500 m

500 R35257
500 R809799
1000 R809801
500 R35060



Installation Cable Real10 Cat.7, F/FTP,
Real10 Cat.7, F/FTP cable. Foil-shielded pairs. 100 Ohm impedance. Data transmission frequencies of up to 650 MHz.
4P, 650 MHz, LSZH, 500 m

500 R320249

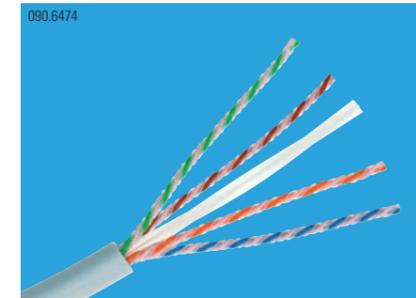
Installation Cables
Cat.6A
Real10

كابلات توصيل
Cat.6A
طرز Real10



- Features**
- 100 Ohm installation cable
 - Suitable for voice, video and data transmission
 - Cat.6A is suitable for transmission frequencies of up to 650 MHz and complies with the 10GBase-T requirements of IEEE802.3an
 - Cat.6 is suitable for transmission frequencies of up to 450 MHz
 - Outer sheath PVC (CMR UL listed), LSZH, LSFRZH compliant with IEC 60332-1 / IEC 60754-2 / IEC 61034.
 - For special applications, outer sheath available in Plenum rated (CMP) compliant with UL910 / NFPA 262

Ordering Information	Description	MOQ	Part Number
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Installation Cable Real10 Cat.6A, U/UTP,
Low diameter solid wire installation cable Real10 U/UTP Cat.6A. 100 Ohm impedance. With non continuous Alien X-Talk suppression tape (WARP, WAve Reduction Pattern) for a crosstalk protection between adjacent cables with a minimal space requirement. Data transmission frequencies of up to 650 MHz.
4P, 650 MHz, PVC, Ø 7.0mm, WARP, 500 m
4P, 650 MHz, LSZH, Ø 7.0mm, WARP, 500 m

500 R804268
500 R804269



Installation Cable Real10 Cat.6A, U/UTP,
Real10 Cat.6A, U/UTP cable. 100 Ohm impedance. Data transmission frequencies of up to 650 MHz.
4P, 650 MHz, PVC, Ø 9.0mm, 305 m
4P, 650 MHz, LSZH, Ø 9.0mm, 305 m
4P, 650 MHz, CMP, Ø 8.1mm, 305 m
4P, 650 MHz, LSZH, Ø 7.2mm, 500 m
4P, 650 MHz, LSZH, Ø 8.8mm 500 m

305 R504236
305 R504252
305 R805816
500 R804284
500 R808400



Installation Cable Real10 Cat.6A, F/UTP,
Installation cable with overall metal foil for cost effective, shielded generic cabling systems. Real10 Cat.6A, F/UTP cable. 100 Ohm impedance. Data transmission frequencies of up to 500 MHz.
4P, 500 MHz, LSZH, 500 m

500 R806969



Installation Cable Real10 Cat.6A, U/FTP,
Real10 Cat.6A, U/FTP cable. Foil-shielded pairs. 100 Ohm impedance. Data transmission frequencies of up to 650 MHz.
4P, 650 MHz, LSZH, 500 m
4P, 650 MHz, CMP, Ø 7.4mm 305 m

500 R308247
305 R805817

Ordering Information	Description	MOQ	Part Number
020.0983	Installation Cable Real10 Cat.6A, S/FTP, Real10 Cat.6A, S/FTP cable. Foil and tin-plated copper braid shielding of pairs. 100 Ohm impedance. Data transmission frequencies of up to 650 MHz. 4P, 650 MHz, LSZH, 500 m	500	R305649
090.2216	Installation Cable Real10 Cat.6, U/UTP, Real10 Cat.6, U/UTP cable. 100 Ohm impedance. Data transmission frequencies of up to 650 MHz. 4P, 650 MHz, LSZH, 500 m	500	R312808
010.1560	Installation Cable Cat.6, U/UTP, Cat.6, U/UTP cable. 100 Ohm impedance. Data transmission frequencies of up to 450 MHz. 4P, 450 MHz, PVC, 500 m 4P, 450 MHz, LSZH, 500 m 4P, 450 MHz, LSZH, 1000 m	500 500 1000	R35056 R35057 R305283
020.0979	Installation Cable Cat.6, F/UTP, Cat.6, F/UTP cable. 100 Ohm impedance. Data transmission frequencies of up to 450 MHz. 4P, 450 MHz, LSZH, 500 m	500	R314933
090.5235	Installation Cable Residential Class E, U/UTP Application specific installation cable for residential areas with reduced permanent link lengths up to 50 m suitable for data rates up to 1 Gbps. Class E, U/UTP, AWG26 cable. 100 Ohm impedance. Data transmission frequencies of up to 250 MHz. 4P, 250 MHz, LSZH, Ø 4.5mm, 305 m	305	R809798

Ordering Information	Description	MOQ	Part Number
010.1560	Installation Cable Cat.6, U/UTP, Low cost installation cable for generic cabling systems. Cat.6, U/UTP, AWG24 cable. 100 Ohm impedance. Data transmission frequencies of up to 250 MHz. 4P, 250 MHz, PVC, 305 m 4P, 250 MHz, LSZH, 305 m	305 305	R809797 R809796
010.1560	Cat.6, U/UTP, AWG23 cable. 100 Ohm impedance. Data transmission frequencies of up to 450 MHz. 4P, 450 MHz, AWG23, CMP, 5.5mm, 305 m	305	R805815
020.0980	Installation Cable Cat.5e, U/UTP, Cat.5e, U/UTP cable. 100 Ohm impedance. Data transmission frequencies of up to 200 MHz. 4P, 200 MHz, PVC, 500 m 4P, 200 MHz, LSZH, 500 m 4P, 200 MHz, PVC, 305 m 4P, 200 MHz, LSZH, 305 m 4P, 200 MHz, CMP, 305 m	500 500 305 305 305	R35044 R35045 R35291 R35292 R805814
020.0979	Installation Cable Cat.5e, F/UTP, Cat.5e, F/UTP cable. Aluminum foil shielding. Tin-plated copper drain wire. 100 Ohm impedance. Data transmission frequencies of up to 200 MHz. 4P, 200 MHz, PVC, 500 m 4P, 200 MHz, LSZH, 500 m 4P, 200 MHz, LSRZH, 500 m 4P, 200 MHz, PVC, 305 m 4P, 200 MHz, LSZH, 305 m	500 500 500 305 305	R35048 R35049 R302039 R300317 R300316
020.0982	Installation Cable Cat.5e, SF/UTP, Cat.5e, SF/UTP cable. Aluminum foil and tin-coated copper braid shielding. 100 Ohm impedance. Data transmission frequencies of up to 200 MHz. 4P, 200 MHz, PVC, 500 m 4P, 200 MHz, LSZH, 500 m 4P, 200 MHz, LSRZH, 500 m	500 500 500	R35052 R302089 R35053

Installation Cables
Cat.3 & Cat.5
Multipair

كوابلات توصيل
طراز Cat.5 و Cat.3
متعدد الأزواج

Ordering Information	Description	MOQ	Part Number
020.0978 	Multipair Installation Cable Cat.5, U/UTP, Recommended applications: IEEE 802.3: 10 Base-T, 100 Base-T, ISDN, xDSL and IEEE 802.5 16 MB: ISDN, TPDDI, ATM 155 Mbit/s. Standards: EN 50173, ISO/IEC 11801. Features: Multipair, Cat.5, U/UTP cable. 100 Ohm impedance. Data transmission frequencies of up to 100 MHz.	300	R310918
	25P, LSZH, 300 m	300	R310916
	50P, LSZH, 300 m	300	R310917
020.0978 	Multipair Installation Cable Cat.5, F/UTP, Recommended applications: IEEE 802.3: 10 Base-T, 100 Base-T, ISDN, xDSL and IEEE 802.5 16 MB: ISDN, TPDDI, ATM 155 Mbit/s. Standards: EN50173, ISO/IEC 11801. Features: Multipair, Cat.5, F/UTP cable. 100 Ohm impedance. Data transmission frequencies of up to 100 MHz.	300	R310908
	25P, LSZH, 300 m	300	R310920
	50P, LSZH, 300 m	300	R310921
020.0978 	Multipair Installation Cable Cat.3, U/UTP, Multipair, Cat 3, U/UTP cable. 100 Ohm impedance. Data transmission frequency of up to 16 MHz.	300	R311322
	25P, LSZH, 300 m	300	R311319
	50P, LSZH, 300 m	300	R311320
020.0978 	Multipair Installation Cable Cat.3, F/UTP, Multipair, Cat.5, F/UTP cable. 100 Ohm impedance. Data transmission frequencies of up to 16 MHz.	300	R311321
	25P, LSZH, 300 m	300	R311323
	50P, LSZH, 300 m	300	R311324

Installation Cables
Cat.7 & Cat.5e Industrial

كوابلات توصيل
كوابلات للأغراض الصناعية طراز Cat.5e, Cat.7

Ordering Information	Description	MOQ	Part Number
020.0983 	Features – Industrial installation cables for extreme environmental conditions – Water and oil repellent – Suitable for indoor and outdoor installations		
	Industry Cable Cat.7, S/FTP, Standards: EIA/TIA 568-C.2, ISO/IEC 11801 ed. 2.2, IEC 61156-5, EN 50173, EN 50188-4-1. Fire classification: IEC 60332-1, IEC 60754-2, IEC 61034. Temperature range: –20°C to +60°C. Halogen-free and flame-retardant plus water-tight layer jacket. Color: black. Cat.7, FL.RET cable. Foil and tin-plated copper braid shielding. 100 Ohm impedance. Data transmission frequency up to 900 MHz.	100	R313685
	4P, 900 MHz, FL.RET, 100 m	500	R313683
020.0983 	Industry Cable Cat.7, S/FTP, Standards: EN 50173-1, ISO/IEC 11801, EN 50288-4-11, IEC 61156-5. Fire classification: IEC 61034, IEC 60754-2, IEC 60332-3-24. Chemical resistance: standard IRM 902, 7 days/23°C, 4 hours/70°C in mineral oil and standard IRM 903, 7 days/23°C, 4 hours/70°C in diesel. Temperature range: –40°C to +85°C. Color: RAL 7035. Cat.7, S/FTP cable. Foil and tin-plated copper braid shielding. 100 Ohm impedance. Data transmission frequency up to 900 MHz.	500	R802154
	4P, 900 MHz, LSFRRZ, 500 m		
020.0983 	Industry Cable Cat.5e, S/FTP, Standards: EN 50173-1, ISO/IEC 11801, EN 50288-2-1, IEC 61156-5. Fire classification: IEC 61034, IEC 60754-2, IEC 60332-3-24. Chemical resistance: standard IRM 902, 7 days/23°C, 4 hours/70°C in mineral oil and standard IRM 903, 7 days/23°C, 4 hours/70°C in diesel. Temperature range: –40°C to +85°C. Color: RAL 7035. Cat.5e, S/FTP cable. Foil and tin-plated copper braid shielding. 100 Ohm impedance. Data transmission frequency up to 200 MHz.	500	R309319
	4P, 200 MHz, LSFRRZ, 500 m		

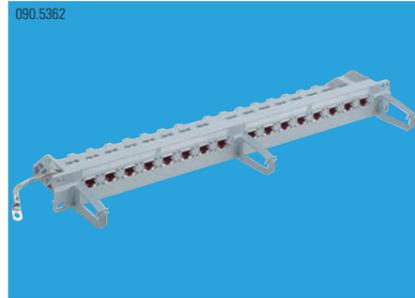
Patch Panels
1U, 16-Port

لوحات التجميع
ارتفاع 1 وحدة، 16 مخرج



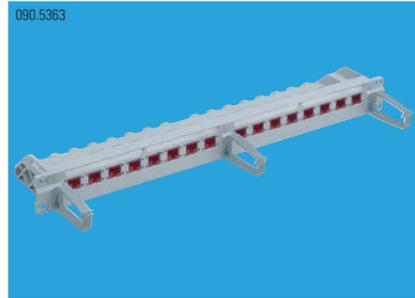
- Features**
- Modular design with the capacity of holding 16 x shielded or unshielded single RJ45 connection modules
 - Snap-in jumpering brackets
 - Integrated cable tie shelf
 - Shielded versions come with a complete and integrated grounding system
 - Suitable for the Data Safe Lock coding system, protecting the panel against electronic damage or interferences in network operation
 - Labeling window including exchangeable labeling strips
 - Individual labeling with A4 labeling sheets

Ordering Information	Description	MOQ	Part Number
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- 19" 1U Patch Panel 16xRJ45/s, Cat.6A ISO,**
Supplied:
- 19" 1U 16-port patch panel, empty, shielded
 - 16 Cat.6A ISO connection modules, RJ45/s incl. EMC covers and dust covers
 - 19" mounting kit
 - 3 jumpering brackets
 - 4 labeling strips
 - Cable ties
 - Installation instructions
- fully populated**

1 R509880



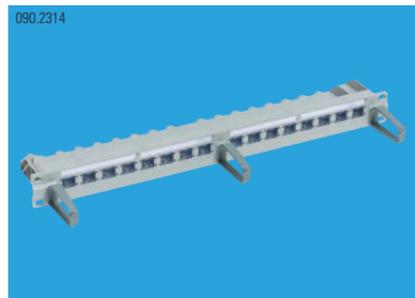
- 19" 1U Patch Panel 16xRJ45/u, Cat.6A ISO,**
Supplied:
- 19" 1U 16-port patch panel, empty, unshielded
 - 16 Cat.6A ISO connection modules, RJ45/u incl. dust covers
 - 19" mounting kit
 - 3 jumpering brackets
 - 4 labeling strips
 - Cable ties
 - Installation instructions
- fully populated**

1 R509881



- 19" 1U Patch Panel 16xRJ45/s, Real10 Cat.6,**
Supplied:
- 19" 1U 16-port patch panel, empty, shielded
 - 16 Real10 Cat.6 connection modules, RJ45/s incl. EMC covers and dust covers
 - 19" mounting kit
 - 3 jumpering brackets
 - 4 labeling strips
 - Cable ties
 - Installation instructions
- fully populated**

1 R305887



- 19" 1U Patch Panel 16xRJ45/u, Real10 Cat.6,**
Supplied:
- 19" 1U 16-port patch panel, empty, unshielded
 - 16 Real10 Cat.6 connection modules, RJ45/u incl. WARP covers and dust covers
 - 19" mounting kit
 - 3 jumpering brackets
 - 4 labeling strips
 - Cable ties
 - Installation instructions
- fully populated**

1 R313086

Patch Panels
1U, 16-Port

لوحات التجميع
ارتفاع 1 وحدة، 16 مخرج

Ordering Information	Description	MOQ	Part Number
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- 19" 1U Patch Panel 16xRJ45/u, Cat.6,**
Supplied:
- 19" 1U 16-port patch panel, empty, unshielded
 - 16 Cat.6 connection modules, RJ45/u incl. dust covers
 - 19" mounting kit
 - 3 jumpering brackets
 - 4 labeling strips
 - Cable ties
 - Installation instructions
- fully populated**

1 R305888



- 19" 1U Patch Panel 16xRJ45/s, Cat.5e,**
Supplied:
- 19" 1U 16-port patch panel, empty, shielded
 - 16 Cat.5e connection modules, RJ45/s incl. EMC covers and dust covers
 - 19" mounting kit
 - 3 jumpering brackets
 - 4 labeling strips
 - Cable ties
 - Installation instructions
- fully populated**

1 R305885



- 19" 1U Patch Panel 16xRJ45/u, Cat.5e,**
Supplied:
- 19" 1U 16-port patch panel, empty, unshielded
 - 16 Cat.5e connection modules, RJ45/u incl. dust covers
 - 19" mounting kit
 - 3 jumpering brackets
 - 4 labeling strips
 - Cable ties
 - Installation instructions
- fully populated**

1 R305886



- 19" 1U Patch Panel 16-Port/s,**
With a capacity for 16 shielded RJ45 connection modules.
Supplied:
- 19" 1U 16-port patch panel, empty, shielded
 - 19" mounting kit
 - 3 jumpering brackets
 - 4 labeling strips
 - Installation instructions
- empty**

1 R305889



- 19" 1U Patch Panel 16-Port/u,**
With a capacity for 16 unshielded RJ45 connection modules or 4 FiberModuls 1U.
Supplied:
- 19" 1U 16-port patch panel, empty, unshielded
 - 19" mounting kit
 - 3 jumpering brackets
 - 4 labeling strips
 - Installation instructions
- empty**

1 R305890

Patch Panels
1U, 24-Port

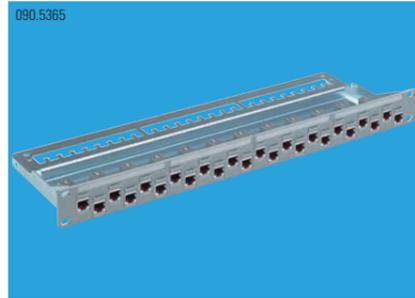
لوحات التجميع
ارتفاع 1 وحدة، 24 مخرج



Features

- The high packing density results in a capacity of 24 shielded or unshielded RJ45 connections
- Every module is individually terminated
- The snap-in adapter is mechanically secured with a plastic wedge
- 8-color coding system with plastic wedges
- Integrated cable tie shelf
- Direct grounding concept via metal patch panel
- Protective conductor terminal optionally available

Ordering Information	Description	MOQ	Part Number
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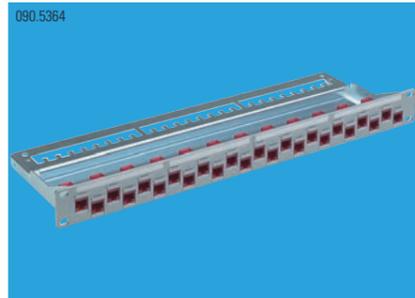


19" 1U Patch Panel 24xRJ45/s, Cat.6A ISO,

- Supplied:
- 19" 1U 24-port metal patch panel, empty, integrated cable tie shelf
 - 24 Cat.6A ISO connection modules, RJ45/s incl. EMC covers and dust covers
 - 19" mounting kit
 - 4 labeling strips
 - Cable ties
 - Installation instructions

gray, fully populated
black, fully populated

1 R509882
1 R514693



19" 1U Patch Panel 24xRJ45/u, Cat.6A ISO,

- Supplied:
- 19" 1U 24-port metal patch panel, empty, integrated cable tie shelf
 - 24 Cat.6A ISO connection modules, RJ45/u incl. dust covers
 - 19" mounting kit
 - 4 labeling strips
 - Cable ties
 - Installation instructions

gray, fully populated
black, fully populated

1 R509883
1 R514694



19" 1U Patch Panel 24xRJ45/s, Real10 Cat.6,

- Supplied:
- 19" 1U 24-port metal patch panel, empty, integrated cable tie shelf
 - 24 Real10 Cat.6 connection modules, RJ45/s incl. EMC covers and dust covers
 - 19" mounting kit
 - 4 labeling strips
 - Cable ties
 - Installation instructions

gray, fully populated
black, fully populated

1 R305120
1 R514695

Patch Panels
1U, 24-Port

لوحات التجميع
ارتفاع 1 وحدة، 24 مخرج

Ordering Information	Description	MOQ	Part Number
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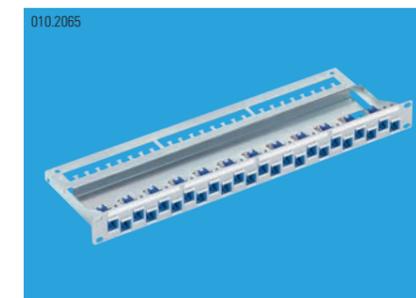


19" 1U Patch Panel 24xRJ45/u, Real10 Cat.6,

- Supplied:
- 19" 1U 24-port metal patch panel, empty, integrated cable tie shelf
 - 24 Real10 Cat.6 connection modules, RJ45/u incl. WARP covers and dust covers
 - 19" mounting kit
 - 4 labeling strips
 - Cable ties
 - Installation instructions

gray, fully populated

1 R313087



19" 1U Patch Panel 24xRJ45/u, Cat.6,

- Supplied:
- 19" 1U 24-port metal patch panel, empty, integrated cable tie shelf
 - 24 Cat.6 connection modules, RJ45/u incl. dust covers
 - 19" mounting kit
 - 4 labeling strips
 - Cable ties
 - Installation instructions

gray, fully populated
black, fully populated

1 R305117
1 R514696



19" 1U Patch Panel 24xRJ45/s, Cat.5e,

- Supplied:
- 19" 1U 24-port metal patch panel, empty, integrated cable tie shelf
 - 24 Cat.5e connection modules, RJ45/s incl. EMC covers and dust cover
 - 19" mounting kit
 - 4 labeling strips
 - Cable ties
 - Installation instructions

gray, fully populated

1 R305121

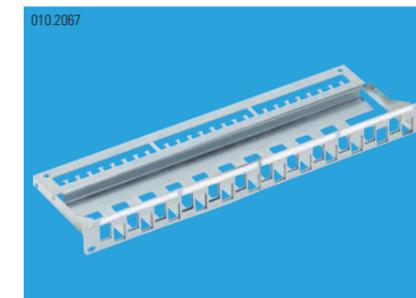


19" 1U Patch Panel 24xRJ45/u, Cat.5e,

- Supplied:
- 19" 1U 24-port metal patch panel, empty, integrated cable tie shelf
 - 24 Cat.5e connection modules, RJ45/u incl. dust covers
 - 19" mounting kit
 - 4 labeling strips
 - Cable ties
 - Installation instructions

gray, fully populated

1 R305118



19" 1U Patch Panel 24-Port,

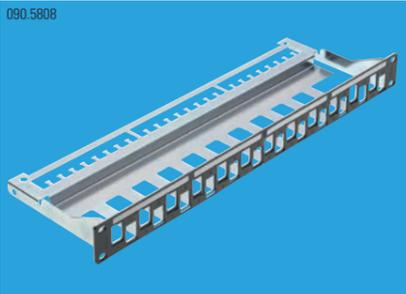
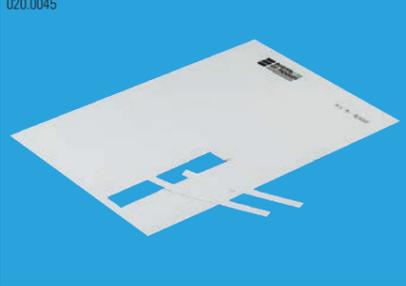
- With a capacity for 24 snap-in connection modules shielded/unshielded or FO adapters snap-in frame.
- Supplied:
- 19" 1U 24-port metal patch panel, empty, integrated cable tie shelf
 - 19" mounting kit
 - 4 labeling strips
 - Installation instructions

gray, empty

1 R305119

Patch Panels
1U, 24-Port

لوحات التجميع
ارتفاع 1 وحدة، 24 مخرج

Ordering Information	Description	MOQ	Part Number
090.5808 	19" 1U Patch Panel 24-Port, With a capacity for 24 snap-in connection modules shielded or unshielded. Supplied: – 19" 1U 24-port metal patch panel, empty, integrated cable tie shelf – 19" mounting kit – 4 labeling strips – Installation instructions black, empty	1	R511996
020.0045 	Labeling Sheet 24-Port Patch Panel Suitable for laser printers. Material: paper, white, perforated. Supplied: – A4 sheet with 54 strips (neutral)  Get a free MS Word template at our website (www.rdm.com/universe) for fast and professional labeling.	10	R305090
020.0045 	Labeling Sheet to 16-Port Patch Panel Suitable for laser printers. Material: paper, white, perforated. Supplied: – A4 sheet with 48 strips (neutral)  Get a free MS Word template at our website (www.rdm.com/universe) for fast and professional labeling.	10	R306039

Patch Panels
1U, 24-Port, angled

لوحات التجميع
ارتفاع 1 وحدة، 24 مخرج، بشكل زاوية

Ordering Information	Description	MOQ	Part Number
090.5367 	19" 1U Angled Patch Panel 24xRJ45/s, Cat.6A ISO, Supplied: – 19" 1U 24-port angled, metal patch panel, empty, integrated cable tie shelf – 24 Cat.6A ISO connection modules, RJ45/s incl. EMC covers and dust covers – 19" mounting kit – Labeling kit – Cable ties – Installation instructions gray, fully populated black, fully populated	1 1	R509884 R803922
090.5366 	19" 1U Angled Patch Panel 24xRJ45/u, Cat.6A ISO, Supplied: – 19" 1U 24-port angled, metal patch panel, empty, integrated cable tie shelf – 24 Cat.6A ISO connection modules, RJ45/u incl. dust covers – 19" mounting kit – Labeling kit – Cable ties – Installation instructions gray, fully populated black, fully populated	1 1	R509885 R803923
090.5049 	19" 1U Angled Patch Panel 24xRJ45/s, Real10 Cat.6, Supplied: – 19" 1U 24-port angled, metal patch panel, empty, integrated cable tie shelf – 24 Real10 Cat.6 connection modules, RJ45/s incl. EMC covers and dust covers – 19" mounting kit – Labeling kit – Cable ties – Installation instructions gray, fully populated black, fully populated	1 1	R500539 R803924

Patch Panels
1U, 24-Port, angled

لوحات التجميع
ارتفاع 1 وحدة، 24 مخرج. بشكل زاوية

Ordering Information	Description	MOQ	Part Number
090.5050	<p>19" 1U Angled Patch Panel 24xRJ45/u, Real10 Cat.6, Supplied:</p> <ul style="list-style-type: none"> - 19" 1U 24-port angled, metal patch panel, empty, integrated cable tie shelf - 24 Real10 Cat.6 connection modules, RJ45/u incl. WARP covers and dust covers - 19" mounting kit - Labeling kit - Cable ties - Installation instructions <p>gray, fully populated</p>	1	R500536
090.5048	<p>19" 1U Angled Patch Panel 24xRJ45/u, Cat.6, Supplied:</p> <ul style="list-style-type: none"> - 19" 1U 24-port angled, metal patch panel, empty, integrated cable tie shelf - 24 Cat.6 connection modules, RJ45/u incl. dust covers - 19" mounting kit - Labeling kit - Cable ties - Installation instructions <p>gray, fully populated black, fully populated</p>	1 1	R500532 R803925
090.5342	<p>19" 1U Angled Patch Panel 24xRJ45/s, Cat.5e, Supplied:</p> <ul style="list-style-type: none"> - 19" 1U 24-port angled, metal patch panel, empty, integrated cable tie shelf - 24 Cat.5e connection modules, RJ45/s incl. EMC covers and dust covers - 19" mounting kit - Labeling kit - Cable ties - Installation instructions <p>gray, fully populated</p>	1	R500524
090.5341	<p>19" 1U Angled Patch Panel 24xRJ45/u, Cat.5e, Supplied:</p> <ul style="list-style-type: none"> - 19" 1U 24-port angled, metal patch panel, empty, integrated cable tie shelf - 24 Cat.5e connection modules, RJ45/u incl. dust covers - 19" mounting kit - Labeling kit - Cable ties - Installation instructions <p>gray, fully populated</p>	1	R500520

Patch Panels
1U, 24-Port, angled

لوحات التجميع
ارتفاع 1 وحدة، 24 مخرج. بشكل زاوية

Ordering Information	Description	MOQ	Part Number
090.5051	<p>19" 1U Angled Patch Panel 24-Port, With a capacity of up to 24 Snap-in connection modules shielded or unshielded. Supplied:</p> <ul style="list-style-type: none"> - 19" 1U 24-port angled, metal patch panel, empty, integrated cable tie shelf - 19" mounting kit - Labeling kit - Installation instructions <p>gray, empty black, empty</p>	1 1	R506796 R511997
090.5054	<p>19" 1U Angled Patch Panel, Cover Protection against external mechanical factors. Mounted and removed without tools.</p>	1	R502913



Patch Panels
1U, 48-Port, High Density

لوحات التجميع
ارتفاع 1 وحدة، 48 مخرج. عالية الكثافة



Features

- Ultra-high density patch panel enables up to 48-ports in 1U 19" format
- Modular design for full flexibility: Cat. 6A ISO, Cat.6 and Cat.5e shielded/unshielded
- With cable tie shelf for stable and reliable cable management
- Without cable tie shelf for space critical applications
- Support for High Density Security System, Levels 1 and 3
- Shielded version includes complete integrated grounding system
- Ample labelling options despite limited space
- Stable, robust design with optimum handling
- Available in gray and black colors

i Suitabel for R&MinteliPhy.

Ordering Information	Description	MOQ	Part Number
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19" 1U HD Basic Patch Panel 24xRJ45/s,

- Supplied:
- 19" 1U HD Basic patch panel
 - 4 6-port/s connection module holders HD
 - Grounding system
 - 24 Cat.6A ISO connection modules, RJ45/s incl. EMC covers and dust covers
 - 19" mounting kit
 - Cable ties
 - Installation instructions

Cat.6A ISO, gray, fully populated	1	R512424
Real10 Cat.6, gray, fully populated	1	R809213
Cat.5e, gray, fully populated	1	R809209

i Suitabel for R&MinteliPhy.



19" 1U HD Basic Patch Panel 24xRJ45/u,

- Supplied:
- 19" 1U HD Basic patch panel
 - 4 6-port/u connection module holders HD
 - 24 connection modules RJ45/u incl. dust covers
 - 19" mounting kit
 - Cable ties
 - Installation instructions

Cat.6A ISO, gray, fully populated	1	R512425
Cat.6, gray, fully populated	1	R809214
Cat.5e, gray, fully populated	1	R809210

i Suitabel for R&MinteliPhy.



19" 1U HD Basic Patch Panel 48xRJ45/s,

- Supplied:
- 19" 1U HD Basic patch panel
 - 4 12-port/s connection module holders HD
 - Grounding system
 - 48 connection modules RJ45/s incl. EMC covers and dust covers
 - 19" mounting kit
 - Cable ties
 - Installation instructions

Cat.6A ISO, gray, fully populated	1	R512422
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i Suitabel for R&MinteliPhy.

Patch Panels
1U, 48-Port, High Density

لوحات التجميع
ارتفاع 1 وحدة، 48 مخرج. عالية الكثافة

Ordering Information	Description	MOQ	Part Number
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19" 1U HD Basic Patch Panel 48xRJ45/u,

- Supplied:
- 19" 1U HD Basic patch panel
 - 4 12-port/u connection module holders HD
 - 48 connection modules RJ45/u incl. dust covers
 - 19" mounting kit
 - Cable ties
 - Installation instructions

Cat.6A ISO, gray, fully populated	1	R512423
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i Suitabel for R&MinteliPhy.



19" 1U HD Basic Patch Panel 48-Port,

- Supplied:
- 19" 1U HD Basic patch panel
 - 19" mounting kit
 - Installation instructions

gray, empty	1	R512421
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19" 1U HD Patch Panel 24xRJ45/s,

- Metal patch panel with integrated cable tie shelf.
- Supplied:
- 19" 1U HD patch panel
 - 4 6-port/s connection module holders HD
 - Grounding system
 - 24 connection modules RJ45/s incl. EMC covers and dust covers
 - 19" mounting kit
 - Cable ties
 - 4 velcro strips
 - Installation instructions

Cat.6A ISO, gray, fully populated	1	R512419
Real10 Cat.6, gray, fully populated	1	R809221
Cat.5e, gray, fully populated	1	R809217

i Suitabel for R&MinteliPhy.



19" 1U HD Patch Panel 24xRJ45/u,

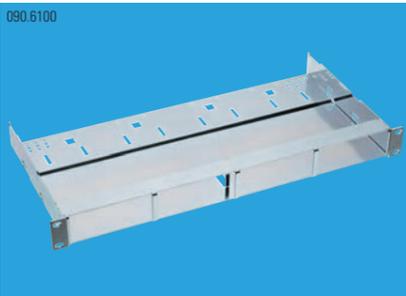
- Metal patch panel with integrated cable tie shelf.
- Supplied:
- 19" 1U HD patch panel
 - 4 6-port/u connection module holders HD
 - 24 connection modules RJ45/u incl. dust covers
 - 19" mounting kit
 - Cable ties
 - 4 velcro strips
 - Installation instructions

Cat.6A ISO, gray, fully populated	1	R512420
Cat.6, gray, fully populated	1	R809222
Cat.5e, gray, fully populated	1	R809218

i Suitabel for R&MinteliPhy.

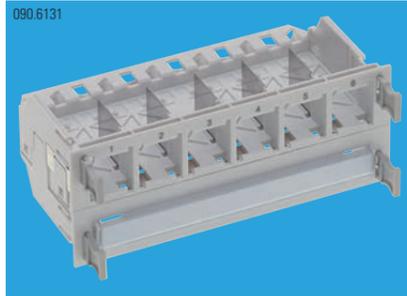
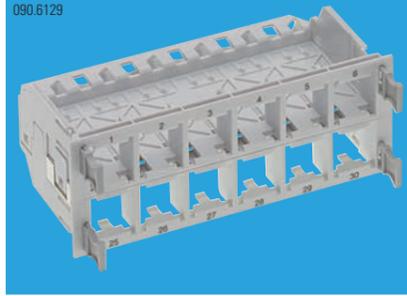
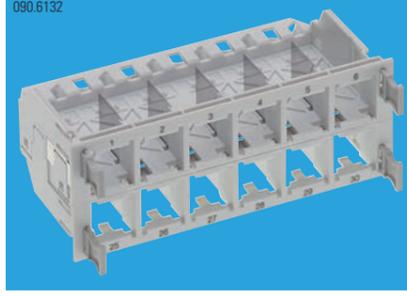
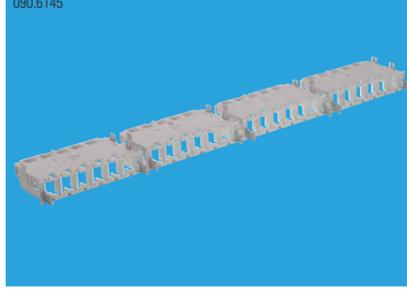
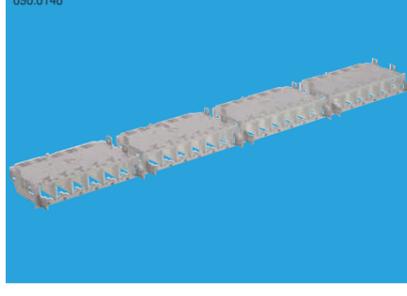
Patch Panels
1U, 48-Port, High Density

لوحات التجميع
ارتفاع 1 وحدة، 48 مخرج. عالية الكثافة

Ordering Information	Description	MOQ	Part Number
	<p>19" 1U HD Patch Panel 48xRJ45/s, Metal patch panel with integrated cable tie shelf. Supplied:</p> <ul style="list-style-type: none"> – 19" 1U HD patch panel – 4 12-port/s connection module holders HD – Grounding system – 48 Cat.6A ISO connection modules, RJ45/s incl. EMC covers and dust covers – 19" mounting kit – Cable ties – 4 velcro strips – Installation instructions <p>Cat.6A ISO, gray, fully populated</p> <p> Suitabel for R&MinteliPhy.</p>	1	R512417
	<p>19" 1U HD Patch Panel 48xRJ45/u, Metal patch panel with integrated cable tie shelf. Supplied:</p> <ul style="list-style-type: none"> – 19" 1U HD patch panel – 4 12-port/u connection module holders HD – 48 Cat.6A ISO connection modules, RJ45/u incl. dust covers – 19" mounting kit – Cable ties – 4 velcro strips – Installation instructions <p>Cat.6A ISO, gray, fully populated</p> <p> Suitabel for R&MinteliPhy.</p>	1	R512418
	<p>19" 1U HD Patch Panel 48-Port, Metal patch panel with integrated cable tie shelf. Ready for all HD inserts (copper / FO). Supplied:</p> <ul style="list-style-type: none"> – 19" 1U HD patch panel – 19" mounting kit – 4 velcro strips – Installation instructions <p>gray, empty</p>	1	R512416
	<p>Connection Module Holder HD, 4x 6-port/s, To be mounted into 19" 1U HD Basic and HD patch panels, shielded. The ports are consecutively numbered from 1 to 24. Supplied:</p> <ul style="list-style-type: none"> – 4 6-port/s connection module holders HD – Grounding system – Cable ties – Manual grounding concept <p>Cat.6A ISO with blind element, gray</p> <p>Cat.5/6, gray</p>	1 1	R512427 R809225

Patch Panels
1U, 48-Port, High Density

لوحات التجميع
ارتفاع 1 وحدة، 48 مخرج. عالية الكثافة

Ordering Information	Description	MOQ	Part Number
	<p>Connection Module Holder HD, 4x 6-port/u, To be mounted into 19" 1U HD Basic and HD patch panels, unshielded. The ports are consecutively numbered from 1 to 24. Supplied:</p> <ul style="list-style-type: none"> – 4 6-port/u connection module holders HD – Cable ties <p>Cat.6A ISO with blind element, gray</p> <p>Cat.5/6, gray</p>	1 1	R512429 R809339
	<p>Connection Module Holder HD, 4x 12-port/s, To be mounted into 19" 1U HD Basic and HD patch panels, shielded. The ports are consecutively numbered from 1 to 48. Supplied:</p> <ul style="list-style-type: none"> – 4 12-port/s connection module holders HD – Grounding system – Cable ties – Manual grounding concept <p>Cat.6A ISO, gray</p>	1	R512426
	<p>Connection Module Holder HD, 4x 12-port/u, To be mounted into 19" 1U HD Basic and HD patch panels, unshielded. The ports are consecutively numbered from 1 to 48. Supplied:</p> <ul style="list-style-type: none"> – 4 12-port/u connection module holders HD – Cable ties <p>Cat.6A ISO, gray</p>	1	R512428
	<p>Upgrade Kit HD to 48-port/s, Enables the upgrade from 24-ports (4x 6-port/s with blind element) to a 48-port (4x 12-port/s) HD Basic or HD standard patch panel. The ports on the module holders are numbered consecutively from 25 to 48. Supplied:</p> <ul style="list-style-type: none"> – 4 6-port/s connection module holders HD – Cable ties <p>gray</p>	1	R512431
	<p>Upgrade Kit HD to 48-port/u, Enables the upgrade from 24-ports (4x 6-port/u with blind element) to a 48-port (4x 12-port/u) HD Basic or HD standard patch panel. The ports on the module holders are numbered consecutively from 25 to 48. Supplied:</p> <ul style="list-style-type: none"> – 4 6-port/u connection module holders HD – Cable ties <p>gray</p>	1	R512700

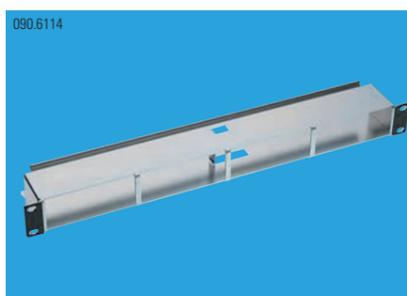
Patch Panels
1U, 48-Port, High Density

لوحات التجميع
ارتفاع 1 وحدة، 48 مخرج، عالية الكثافة

Ordering Information	Description	MOQ	Part Number
090.6134 	Blind Cover HD, For use with 19" 1U HD Basic patch panel and 19" 1U HD patch panel. gray	1	R802922
090.6120 	19" 1U HD Basic Patch Panel 24xRJ45/s, Supplied: – 19" 1U HD Basic patch panel – 4 6-port/s connection module holders HD – Grounding system – 24 connection modules RJ45/s incl. EMC covers and dust covers – 19" mounting kit – Cable ties – Installation instructions Cat.6A ISO, black, fully populated Real10 Cat.6, black, fully populated Cat.5e, black, fully populated i Suitabel for R&MinteliPhy.	1 1 1	R512729 R809215 R809211
090.6119 	19" 1U HD Basic Patch Panel 24xRJ45/u, Supplied: – 19" 1U HD Basic patch panel – 4 6-port/u connection module holders HD – 24 connection modules RJ45/u incl. dust covers – 19" mounting kit – Cable ties – Installation instructions Cat.6A ISO, black, fully populated Cat.6, black, fully populated Cat.5e, black, fully populated i Suitabel for R&MinteliPhy.	1 1 1	R512730 R809216 R809212
090.6116 	19" 1U HD Basic Patch Panel 48xRJ45/s, Supplied: – 19" 1U HD Basic patch panel – 4 12-port/s connection module holders HD – Grounding system – 48 Cat.6A ISO connection modules, RJ45/s incl. EMC covers and dust covers – 19" mounting kit – Cable ties – Installation instructions Cat.6A ISO, black, fully populated i Suitabel for R&MinteliPhy.	1	R512727

Patch Panels
1U, 48-Port, High Density

لوحات التجميع
ارتفاع 1 وحدة، 48 مخرج، عالية الكثافة

Ordering Information	Description	MOQ	Part Number
090.6115 	19" 1U HD Basic Patch Panel 48xRJ45/u, Supplied: – 19" 1U HD Basic patch panel – 4 12-port/u connection module holders HD – 48 Cat.6A ISO connection modules, RJ45/u incl. dust covers – 19" mounting kit – Cable ties – Installation instructions Cat.6A ISO, black, fully populated i Suitabel for R&MinteliPhy.	1	R512728
090.6114 	19" 1U HD Basic Patch Panel 48-Port, Supplied: – 19" 1U HD Basic patch panel – 19" mounting kit – Installation instructions black, empty	1	R512726
090.6111 	19" 1U HD Patch Panel 24xRJ45/s, Metal patch panel with integrated cable tie shelf. Supplied: – 19" 1U HD patch panel – 4 6-port/s connection module holders HD – Grounding system – 24 connection modules RJ45/s incl. EMC covers and dust covers – 19" mounting kit – Cable ties – 4 velcro strips – Installation instructions Cat.6A ISO, black, fully populated Real10 Cat.6, black, fully populated Cat.5e, black, fully populated i Suitabel for R&MinteliPhy.	1 1 1	R512724 R809223 R809219
090.6110 	19" 1U HD Patch Panel 24xRJ45/u, Metal patch panel with integrated cable tie shelf. Supplied: – 19" 1U HD patch panel – 4 6-port/u connection module holders HD – 24 connection modules RJ45/u incl. dust covers – 19" mounting kit – Cable ties – 4 velcro strips – Installation instructions Cat.6A ISO, black, fully populated Cat.6, black, fully populated Cat.5e, black, fully populated i Suitabel for R&MinteliPhy.	1 1 1	R512725 R809224 R809220

Patch Panels
1U, 48-Port, High Density

لوحات التجميع
ارتفاع 1 وحدة، 48 مخرج. عالية الكثافة

Ordering Information	Description	MOQ	Part Number
090.6113	<p>19" 1U HD Patch Panel 48xRJ45/s, Metal patch panel with integrated cable tie shelf. Supplied:</p> <ul style="list-style-type: none"> - 19" 1U HD patch panel - 4 12-port/s connection module holders HD - Grounding system - 48 Cat.6A ISO connection modules, RJ45/s incl. EMC covers and dust covers - 19" mounting kit - Cable ties - 4 velcro strips - Installation instructions <p>Cat.6A ISO, black, fully populated</p> <p>i Suitabel for R&MinteliPhy.</p>	1	R512722
090.6112	<p>19" 1U HD Patch Panel 48xRJ45/u, Metal patch panel with integrated cable tie shelf. Supplied:</p> <ul style="list-style-type: none"> - 19" 1U HD patch panel - 4 12-port/u connection module holders HD - 48 Cat.6A ISO connection modules, RJ45/u incl. dust covers - 19" mounting kit - Cable ties - 4 velcro strips - Installation instructions <p>Cat.6A ISO, black, fully populated</p> <p>i Suitabel for R&MinteliPhy.</p>	1	R512723
090.6107	<p>19" 1U HD Patch Panel 48-Port, Metal patch panel with integrated cable tie shelf. Ready for all HD inserts (copper / FO). Supplied:</p> <ul style="list-style-type: none"> - 19" 1U HD patch panel - 19" mounting kit - 4 velcro strips - Installation instructions <p>black, empty</p>	1	R512721
090.6137	<p>Connection Module Holder HD, 4x 6-port/s, To be mounted into 19" 1U HD Basic and HD patch panels, shielded. The ports are consecutively numbered from 1 to 24. Supplied:</p> <ul style="list-style-type: none"> - 4 6-port/s connection module holders HD - Grounding system - Cable ties - Manual grounding concept <p>Cat.6A ISO with blind element, black Cat.5/6, black</p>	1 1	R512732 R809340

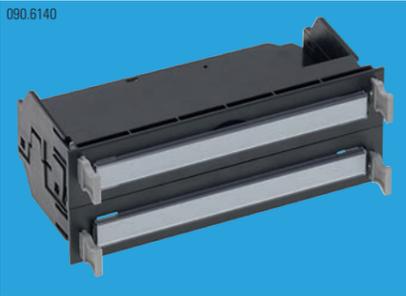
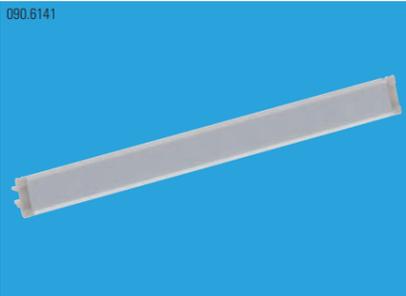
Patch Panels
1U, 48-Port, High Density

لوحات التجميع
ارتفاع 1 وحدة، 48 مخرج. عالية الكثافة

Ordering Information	Description	MOQ	Part Number
090.6138	<p>Connection Module Holder HD, 4x 6-port/u, To be mounted into 19" 1U HD Basic and HD patch panels, unshielded. The ports are consecutively numbered from 1 to 24. Supplied:</p> <ul style="list-style-type: none"> - 4 6-port/u connection module holders HD - Cable ties <p>Cat.6A ISO with blind element, black Cat.5/6, black</p>	1 1	R512734 R809341
090.6136	<p>Connection Module Holder HD, 4x 12-port/s, To be mounted into 19" 1U HD Basic and HD patch panels, shielded. The ports are consecutively numbered from 1 to 48. Supplied:</p> <ul style="list-style-type: none"> - 4 12-port/s connection module holders HD - Grounding system - Cable ties - Manual grounding concept <p>Cat.6A ISO, black</p>	1	R512731
090.6139	<p>Connection Module Holder HD, 4x 12-port/u, To be mounted into 19" 1U HD Basic and HD patch panels, unshielded. The ports are consecutively numbered from 1 to 48. Supplied:</p> <ul style="list-style-type: none"> - 4 12-port/u connection module holders HD - Cable ties <p>Cat.6A ISO, black</p>	1	R512733
090.6144	<p>Upgrade Kit HD to 48-port/s, Enables the upgrade from 24-ports (4x 6-port/s with blind element) to a 48-port (4x 12-port/s) HD Basic or HD standard patch panel. The ports on the module holders are numbered consecutively from 25 to 48. Supplied:</p> <ul style="list-style-type: none"> - 4 6-port/s connection module holders HD - Cable ties <p>black</p>	1	R512736
090.6143	<p>Upgrade Kit HD to 48-port/u, Enables the upgrade from 24-ports (4x 6-port/u with blind element) to a 48-port (4x 12-port/u) HD Basic or HD standard patch panel. The ports on the module holders are numbered consecutively from 25 to 48. Supplied:</p> <ul style="list-style-type: none"> - 4 6-port/u connection module holders HD - Cable ties <p>black</p>	1	R512737

Patch Panels
1U, 48-Port, High Density

لوحات التجميع
ارتفاع 1 وحدة، 48 مخرج، عالية الكثافة

Ordering Information	Description	MOQ	Part Number
090.6140 	Blind Cover HD, For use with 19" 1U HD Basic patch panel and 19" 1U HD patch panel. black	1	R802923
090.6141 	Label Holder HD Supplied: – Label holder – Label cover – Label strips	1	R512430
090.6277 	Insulation Washer Kit, 4 Required for earthing concept method "B" to isolate HD panel from rack. Supplied: – 4 plastic collars, black	1	R802947

Patch Panels
3U, 48-Port, Global

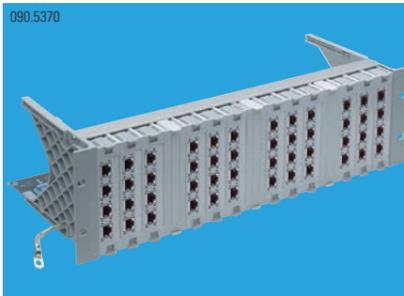
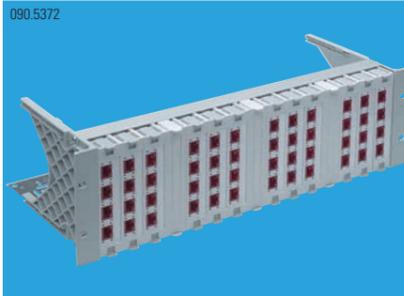
لوحات التجميع
ارتفاع 3 وحدة، 48 مخرج، شاملة



Features

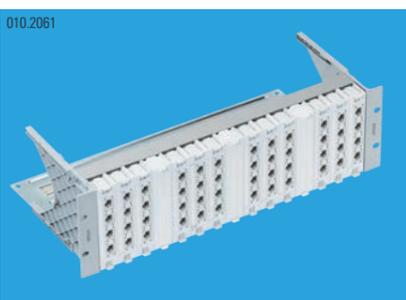
- Thanks to their modular design the panels can be fitted with up to fifteen 4x1-port connection module holders or blind elements (max. 60xRJ45/u, RJ45/s, SC-RJ or E-2000™-Compact ports)
- Highly installation and service friendly thanks to the snap-and-go fastening system
- Shielded version includes complete integrated grounding system
- Suitable for the Data Safe Lock coding system
- Coax can be integrated by means of adapter units
- Exchangeable labeling strips
- Cable tie shelf is a standard component

¹⁾ Approval: UL

Ordering Information	Description	PU	Part No.
090.5370 	19" 3U Global Patch Panel 48xRJ45/s, Cat.6A ISO, Supplied: – 19" 3U Global patch panel/s incl. cable tie shelf – 12 connection module holders Global/s – 3 Global blind covers – Grounding system – 48 Cat.6A ISO connection modules, RJ45/s incl. EMC covers and dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions	1	R509888
090.5372 	19" 3U Global Patch Panel 48xRJ45/u, Cat.6A ISO, Supplied: – 19" 3U Global patch panel/u incl. cable tie shelf – 12 connection module holders Global/u – 3 Global blind covers – 48 Cat.6A ISO connection modules, RJ45/u incl. dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions	1	R509889
010.2057 	19" 3U Global Patch Panel 48xRJ45/u, Cat.6, Supplied: – 19" 3U Global patch panel/u incl. cable tie shelf – 12 connection module holders Global/u – 3 Global blind covers – 48 Cat.6 connection modules, RJ45/u incl. dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions	1	R302361

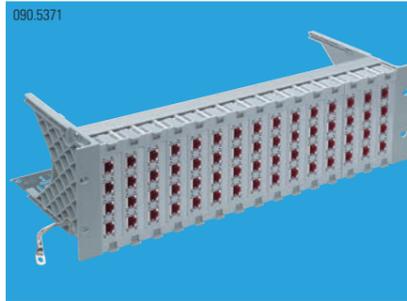
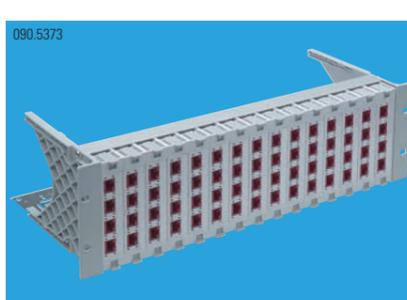
Patch Panels
3U, 48-Port, Global

لوحات التجميع
ارتفاع 3 وحدة، 48 مخرج، شاملة

Ordering Information	Description	MOQ	Part Number
090.2312 	19" 3U Global Patch Panel 48xRJ45/u, Real10 Cat.6, Supplied: – 19" 3U Global patch panel/u incl. cable tie shelf – 12 connection module holders Global/u – 3 Global blind covers – 48 Real10 Cat.6 connection modules, RJ45/u incl. WARP covers and dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions partly populated	1	R313088
010.2053 	19" 3U Global Patch Panel 48xRJ45/s, Real10 Cat.6, Supplied: – 19" 3U Global patch panel/s incl. cable tie shelf – 12 connection module holders Global/s – 3 Global blind covers – Grounding system – 48 Real10 Cat.6 connection modules, RJ45/s incl. EMC covers and dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions partly populated	1	R302360
010.2061 	19" 3U Global Patch Panel 48xRJ45/u, Cat.5e, Supplied: – 19" 3U Global patch panel/u incl. cable tie shelf – 12 connection module holders Global/u – 3 Global blind covers – 48 Cat.5e connection modules, RJ45/u incl. dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions partly populated	1	R35405
010.2059 	19" 3U Global Patch Panel 48xRJ45/s, Cat.5e, Supplied: – 19" 3U Global patch panel/s incl. cable tie shelf – 12 connection module holders Global/s – 3 Global blind covers – Grounding system – 48 Cat.5e connection modules, RJ45/s incl. EMC covers and dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions partly populated	1	R35404

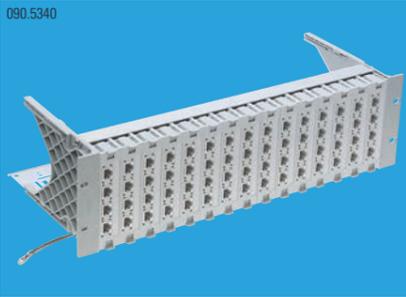
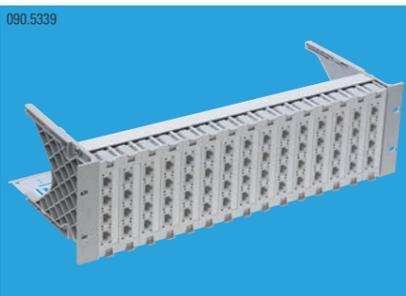
Patch Panels
3U, 60-Port, Global

لوحات التجميع
ارتفاع 3 وحدة، 60 مخرج، شاملة

Ordering Information	Description	MOQ	Part Number
090.5371 	19" 3U Global Patch Panel 60xRJ45/s, Cat.6A ISO, Supplied: – 19" 3U Global patch panel/s incl. cable tie shelf – 15 connection module holders Global/s – Grounding system – 60 Cat.6A ISO connection modules, RJ45/s incl. EMC covers and dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions fully populated	1	R509890
090.5373 	19" 3U Global Patch Panel 60xRJ45/u, Cat.6A ISO, Supplied: – 19" 3U Global patch panel/u incl. cable tie shelf – 15 connection module holders Global/u – 60 Cat.6A ISO connection modules, RJ45/u incl. dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions fully populated	1	R509891
010.2056 	19" 3U Global Patch Panel 60xRJ45/u, Cat.6, Supplied: – 19" 3U Global patch panel/u incl. cable tie shelf – 15 connection module holders Global/u – 60 Cat.6 connection modules, RJ45/u incl. dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions fully populated,	1	R302363
090.2311 	19" 3U Global Patch Panel 60xRJ45/u, Real10 Cat.6, Supplied: – 19" 3U Global patch panel/u incl. cable tie shelf – 15 connection module holders Global/u – 60 Real10 Cat.6 connection modules, RJ45/u, incl. WARP covers and dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions fully populated	1	R313089

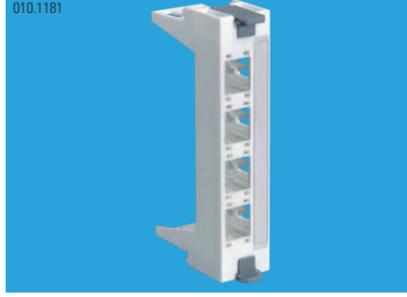
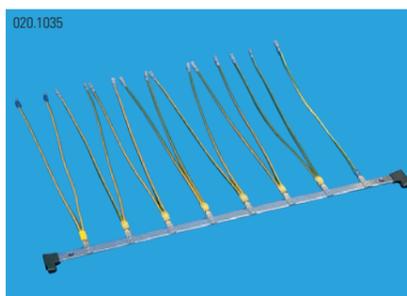
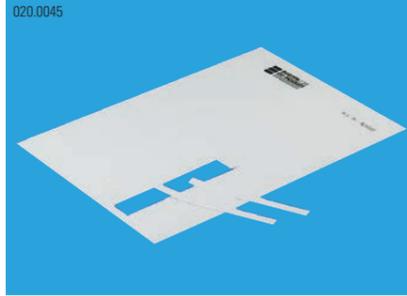
Patch Panels
3U, 60-Port, Global

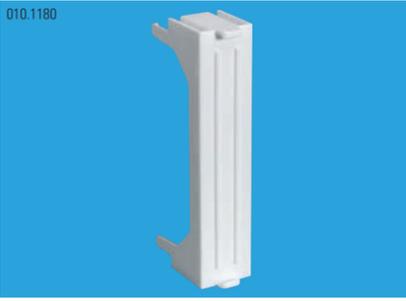
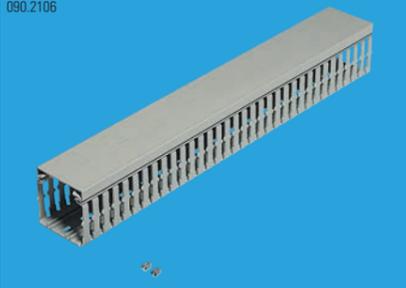
لوحات التجميع
ارتفاع 3 وحدة، 60 مخرج، شاملة

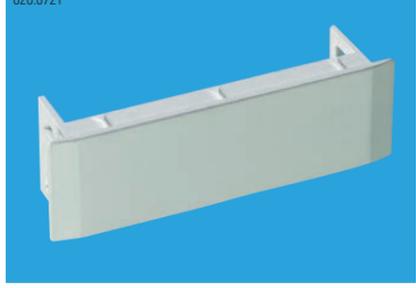
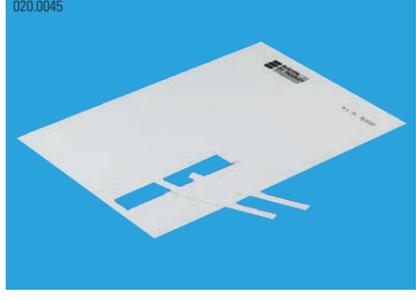
Ordering Information	Description	MOQ	Part Number
010.2056 	19" 3U Global Patch Panel 60xRJ45/u, Cat.6, Supplied: – 19" 3U Global patch panel/u incl. cable tie shelf – 15 connection module holders Global/u – 60 Cat.6 connection modules, RJ45/u incl. dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions fully populated	1	R302363
090.5340 	19" 3U Global Patch Panel 60xRJ45/s, Cat.5e, Supplied: – 19" 3U Global patch panel/s incl. cable tie shelf – 15 connection module holders Global/s – Grounding system – 60 Cat.5e connection modules, RJ45/s incl. EMC covers and dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions fully populated	1	R35406
090.5339 	19" 3U Global Patch Panel 60xRJ45/u, Cat.5e, Supplied: – 19" 3U Global patch panel/u incl. cable tie shelf – 15 connection module holders Global/u – 60 Cat.5e connection modules, RJ45/u incl. dust covers – Labeling strips – 19" mounting kit – Cable ties – Installation instructions fully populated	1	R35407
010.2054 	19" 3U Global Patch Panel 60-Port/s, Holds up to fifteen Global/s connection module holders, Global blind covers or six Global adapter units. Max. capacity of 60 RJ45/s connection modules. Supplied: – 19" 3U Global patch panel/s incl. cable tie shelf – Grounding system – 19" mounting kit – Installation instructions empty	1	R35408
010.2055 	19" 3U Global Patch Panel 60-Port/u, Holds up to fifteen Global/u connection module holders, Global blind covers or six Global adapter units. Max. capacity of 60 RJ45/u connection modules. Supplied: – 19" 3U Global patch panel/u incl. cable tie shelf – 19" mounting kit – Installation instructions empty	1	R35409

Patch Panels
3U, 60-Port, Global

لوحات التجميع
ارتفاع 3 وحدة، 60 مخرج، شاملة

Ordering Information	Description	MOQ	Part Number
010.1183 	Connection Module Holder 3U Global/s, To be mounted into 19" 3U Global patch panels, shielded. Holding capacity: 4 connection modules RJ45/s. Supplied: – Connection module holder – Integrated grounding plate – Labeling strip – Installation instructions 1 GU	1	R35402
010.1181 	Connection Module Holder 3U Global/u, To be mounted into 19" 3U Global patch panels, unshielded. Holding capacity: 4 connection modules RJ45/u or 4 SC-RJ or E-2000™-Compact adapters. Supplied: – Connection module holder – Labeling strip – Installation instructions 1 GU	1	R35403
020.1035 	Grounding Kit for 48/60-Port For a simple and efficient ground connection of connection modules. Suitable for patch panels of 48/60 ports. Supplied: – Copper rail – 2 plastic fastening brackets – 1 single ground connection lead – 7 double ground connection leads	1	R925861
090.2040 	Voice Adapter 3U Global, To be mounted into 19" 3U Global patch panels. Max. equipped with 5 voice adapters (150 ports). Holding capacity for 3 connection modules 10xRJ45. Supplied: – Global Voice Adapter – 4 labeling strips 3x10-Port, 3 GU	1	R310400
020.0045 	Labeling Sheet Fiberliner / 3U Global Module Holder For the labeling of front plates and 19" insertions. Dimensions: A4. Material: paper, white, perforated. Supplied: – Fiberliner and 3U Global module holder labeling sheet (50 strips without logo)	10	R30871

Ordering Information	Description	MOQ	Part Number
010.1180 	Blind Cover 3U Global, For use with 19" 3U Global patch panels, shielded and unshielded. 1 GU	1	R35401
010.1633 	Blind Cover 3U Global, For use with 19" 3U Global patch panels, shielded and unshielded. To cover half an element when adapter units (installation size = 2 1/2 width units of a connection module holder) or an uneven number of adapter units in the Global patch panel are used. 0.5 GU	1	R302149
090.2106 	Cable Duct 3U Global, Recommended for multipair telephone cables. Mounted onto the cable tie shelf of the 3U Global patch panel, the cable duct ensures optimum cable management. Supplied: – Cable duct, length 420 mm – Mounting kit 420 mm	1	R310401

Ordering Information	Description	MOQ	Part Number
030.0440 	Features – 19" 1U voice panel with up to 50 RJ45/u ports – Label holder with exchangeable labeling strips – Cable guide for optimum pair routing – Prepared for grounding connection		
020.0725.1 	19" 1U Patch Panel 50-Port, empty With a holding capacity of 5 connection modules 10xRJ45/u. Supplied: – 19" 1U (84HP) patch panel, powder-coated, gray – 19" mounting kit – 10 labeling strips – Instruction manual	1	R35115
020.0721 	Blind Cover 1x10-Port, light gray To cover one unused port on the voice panel.	10	R35117
020.0045 	Labeling Sheet Voice Panel Suitable for laser printers. Material: paper, white, perforated. Supplied: – A4 sheet with 72 strips (blank)	10	R35119
020.0724 	19" 1U Mounting Support, Voice Panel For a convenient connecting of the voice panel directly at the 19" distributor. Material: stainless steel. Supplied: – Mounting support – 2 M6 fastening screws	1	R35118

i Get a free MS Word template at our website (www.rdm.com/universe) for fast and professional labeling.



Ordering Information	Description	MOQ	Part Number
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19" 1U Cable Management Plastic,
Plastic plate with four mounted jumpering brackets. For a neat, horizontal routing of patch cords between patching fields. The reinforced plastic plate and snap-in jumpering brackets provide additional stability and quick mounting.
Supplied:
– 19" 1U plastic panel
– 4 plastic rings, gray
– 19" mounting kit
70 mm plastic ring

1 R306179



19" 1U Cable Management Metal,
For a neat, horizontal routing of patch cords between patching fields. Fast assembly of metal rings. Easy insertion and removal of patch cords without damage to cable.
Supplied:
– 19" 1U metal panel
– 4 metal rings
– 4 mounting screws
– 19" mounting kit
metallic, 70 mm metal ring
metallic, 90 mm metal ring

1 R502272
1 R502280



19" 1U Cable Management Metal, black,
For a neat, horizontal routing of patch cords between patching fields. Fast assembly of metal rings. Easy insertion and removal of patch cords without damage to cable.
Supplied:
– 19" 1U metal panel
– 4 metal rings
– 4 mounting screws
– 19" mounting kit
70 mm metal ring
90 mm metal ring

1 R802948
1 R802949

Ordering Information	Description	MOQ	Part Number
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19" 2U Cable Management Plastic,
Plastic plate with eight mounted jumpering brackets. For a neat, horizontal routing of patch cords between patching fields. The reinforced plastic plate and snap-in jumpering brackets provide additional stability and quick mounting.
Supplied:
– 19" 2U plastic panel
– 8 plastic ring, gray
– 19" mounting kit
70 mm plastic ring

1 R306180



19" 2U Cable Management Metal,
For a neat, horizontal routing of patch cords between patching fields. Fast assembly of metal rings. Easy insertion and removal of patch cords without damage to cable.
Supplied:
– 19" 2U metal panel
– 8 metal rings
– 8 mounting screws
– 19" mounting kit
metallic, 70 mm metal ring
metallic, 90 mm metal ring

1 R502281
1 R502282



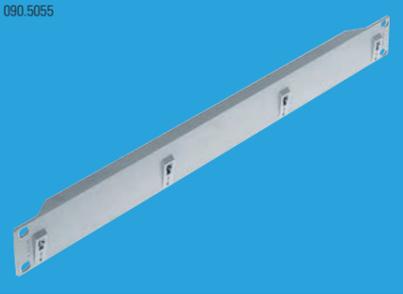
19" 2U Cable Management Metal, black,
For a neat, horizontal routing of patch cords between patching fields. Fast assembly of metal rings. Easy insertion and removal of patch cords without damage to cable.
Supplied:
– 19" 2U metal panel
– 8 metal rings
– 8 mounting screws
– 19" mounting kit
70 mm metal ring
90 mm metal ring

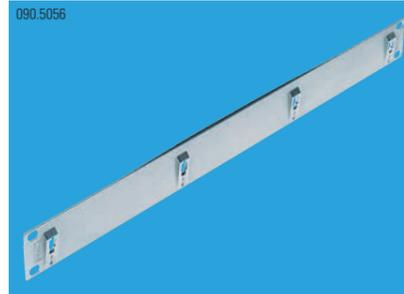
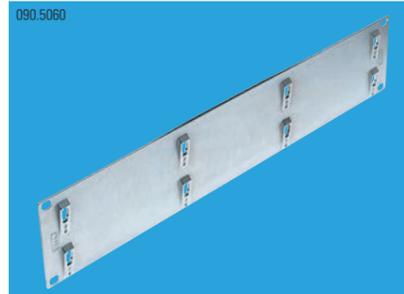
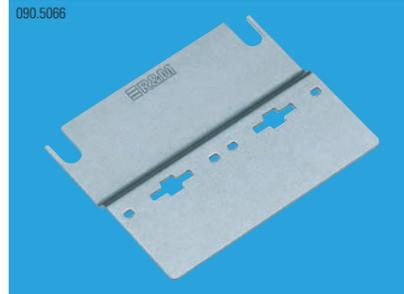
1 R802950
1 R803486



Global Cable Management 2-Ring,
For vertical cable management with the Global 2U patch panel. Fast installation – slides under Global 2U panel mounting screws. Flexible – mounts on left or right outside of panel. Saves space through higher port densities.
Supplied:
– 2U steel panel
– 2 plastic rings, gray
70 mm plastic ring

1 R505851

Ordering Information	Description	MOQ	Part Number
090.5065 	Global Cable Management 2-Ring, For vertical cable management with the Global 2U patch panel. Fast installation – slides under Global 2U panel mounting screws. Flexible – mounts on left or right outside of panel. Saves space through higher port densities. Supplied: – 2U steel panel – 2 metal rings – 2 mounting screws 70 mm metal ring	1	R503228
090.2624 	Global Cable Management 3-Ring, For vertical cable management with the Global 3U patch panel. Fast installation – slides under Global 3U panel mounting screws. Flexible – mounts on left or right and on inside or outside of panel. Saves space through higher port densities. Width: 1.5 GU. Supplied: – 3U steel panel – 3 plastic rings, gray 70 mm plastic ring	1	R316247
090.5063 	Global Cable Management 3-Ring, For vertical cable management with the Global 3U patch panel. Fast installation – slides under Global 3U panel mounting screws. Flexible – mounts on left or right and on inside or outside of panel. Saves space through higher port densities. Width: 1.5 GU. Supplied: – 3U steel panel – 3 metal rings – 3 mounting screws 70 mm metal ring	1	R503227
090.5055 	19" 1U Cable Management Plastic For a neat, horizontal routing of patch cords between patching fields. Accepts: metal rings, 70 mm or 90 mm and plastic rings, 70 mm. Supplied: – 19" 1U plastic panel – 19" mounting kit	1	R503231

Ordering Information	Description	MOQ	Part Number
090.5056 	19" 1U Cable Management Metal For a neat, horizontal routing of patch cords between patching fields. Accepts: metal rings, 70 mm or 90 mm and plastic rings, 70 mm. Supplied: – 19" 1U metal panel – 19" mounting kit	1	R502283
090.5059 	19" 2U Cable Management Plastic For a neat, horizontal routing of patch cords between patching fields. Accepts: metal rings, 70 mm or 90 mm and plastic rings, 70 mm. Supplied: – 19" 2U plastic panel – 19" mounting kit	1	R503229
090.5060 	19" 2U Cable Management Metal For a neat, horizontal routing of patch cords between patching fields. Accepts: metal rings, 70 mm or 90 mm and plastic rings, 70 mm. Supplied: – 19" 2U metal panel – 19" mounting kit	1	R502284
090.5144 	1U Angled Steel Panel For vertical cable management with the angled patch panel. Fast installation – slides under panel mounting screws. Mounts on left and right outside of panel. Accepts: metal rings, 70 mm or 90 mm and plastic rings, 70 mm. Supplied: – Steel panel, left – Steel panel, right	1	R500542
090.5066 	Global 2U Steel Panel For vertical cable management with the Global 2U patch panel. Fast installation – slides under Global 2U panel mounting screws. Flexible – mounts on left or right outside of panel. Saves space through higher port densities. Accepts: metal rings, 70 mm or 90 mm and plastic rings, 70 mm.	1	R503224

Ordering Information	Description	MOQ	Part Number
090.5064	<p>Global 3U Steel Panel For vertical cable management with the Global 3U patch panel. Fast installation – slides under Global 3U panel mounting screws. Flexible – mounts on left or right and on inside or outside of panel. Saves space through higher port densities. Width: 1.5 GU. Accepts: metal rings, 70 mm or 90 mm and plastic rings, 70 mm.</p>	1	R503225
090.5067	<p>Plastic Ring, For a neat horizontal or vertical routing of patch cords. Suitable for: 1U / 2U cable management metal or plastic, Global 2U or 3U steel panel and angled 1-ring metal panel. 70 mm</p>	1	R503217
090.3329	<p>Metal Ring, For a neat horizontal or vertical routing of patch cords. Suitable for: 1U / 2U cable management metal or plastic, Global 2U / 3U steel panel and angled 1-ring metal panel. Supplied: – Metal ring – 1 mounting screw 70 mm 90 mm</p>	1 1	R502285 R502286
010.2183	<p>19" Lateral Radius Guard, The radius guard guarantees compliance with admissible bending radius of copper and FO cables. The guard is mounted to the front of 19" racks. Color: medium gray (NCS 2503-B). Supplied: – Lateral radius guard, left – Lateral radius guard, right – Velcro fastening 19 x 400 mm left and right</p>	1	R306181
030.0040	<p>19" 1U Cable Through Guide Panel Material: sheet steel. Color: medium gray (NCS 2502-B).</p>	1	R25055

Ordering Information	Description	MOQ	Part Number
090.5862	<p>Trunk Cable Compact, Cat.7, 6x4P, 900MHz, Wiring diagram: EIA/TIA 568A. Leg length: 20 cm. Cable identification: S/FTP. Outer jacket: LSZH. Conductor diameter: AWG23/1 (solid wire). Screened in pairs: AL/polyester foil. Overall screen: copper braid. Outer diameter: 25.0 mm. module Cat.6A RJ45/s - module Cat.6A RJ45/s, 7.5 m module Cat.6 RJ45/s - module Cat.6 RJ45/s, 7.5 m</p>	1 1	R803893 R803892
090.5862	<p>Trunk Cable Compact, Cat.6A, 6x4P, 650MHz, Wiring diagram: EIA/TIA 568A. Leg length: 20 cm. Cable identification: S/FTP. Outer jacket: LSZH. Conductor diameter: AWG26/1 (solid wire). Screened in pairs: AL/polyester foil. Overall screen: copper braid. Outer diameter: 19.2 mm. module Cat.6A RJ45/s - module Cat.6A RJ45/s, 7.5 m</p>	1	R803887
090.5874	<p>Trunk Cable Compact, Cat.6, 6x4P, 650MHz, Wiring diagram: EIA/TIA 568A. Leg length: 20 cm. Cable identification: S/FTP. Outer jacket: LSZH. Conductor diameter: AWG26/1 (solid wire). Screened in pairs: AL/polyester foil. Overall screen: copper braid. Outer diameter: 19.2 mm. module Cat.6 RJ45/s - module Cat.6 RJ45/s, 7.5 m</p>	1	R803885

Features

- Fast and safe installation (plug and play)
- 100% process inspection
- Numbered fan-out legs
- Length AWG23 from 5 to 80 m, AWG26 from 5 to 55 m
- AWG26 up to 30% volume and weight reduction compared to AWG23
- Exceeds requirements specified by standards IEEE 802.3an and ISO/IEC 11801 ed.2002 adm. 1 Class EA
- Exceeds Cat.6A ISO Class EA (500 MHz); ISO/IEC 11801 ed. 2.2
- Dust protection of connection modules during transport and insertion tool with integral pulling device for installation

i Other cable lengths and connections on request.

Ordering Information	Description	MOQ	Part Number
090.5865	Trunk Cable Loomed, Cat.7, 6x4P, 900MHz, Wiring diagram: EIA/TIA 568A. Leg length: 20 cm. Cable identification: S/FTP. Outer jacket: LSZH. Conductor diameter: AWG23/1 (solid wire). Screened in pairs: AL/polyester foil. Overall screen: copper braid. Outer diameter: 22.1 mm. module Cat.6A RJ45/s - module Cat.6A RJ45/s, 7.5 m	1	R803895
	module Cat.6 RJ45/s - module Cat.6 RJ45/s, 7.5 m	1	R803894
090.5865	Trunk Cable Loomed, Cat.6A, 6x4P, 650MHz, Wiring diagram: EIA/TIA 568A. Leg length: 20 cm. Cable identification: S/FTP. Outer jacket: LSZH. Conductor diameter: AWG26/1 (solid wire). Screened in pairs: AL/polyester foil. Overall screen: copper braid. Outer diameter: 16.4 mm. module Cat.6A RJ45/s - module Cat.6A RJ45/s, 7.5 m	1	R803891
090.5869	Trunk Cable Loomed, Cat.6, 6x4P, 650MHz, Wiring diagram: EIA/TIA 568A. Leg length: 20 cm. Cable identification: S/FTP. Outer jacket: LSZH. Conductor diameter: AWG26/1 (solid wire). Screened in pairs: AL/polyester foil. Overall screen: copper braid. Outer diameter: 16.4 mm. module Cat.6 RJ45/s - module Cat.6 RJ45/s, 7.5 m	1	R803888

Ordering Information	Description	MOQ	Part Number
010.2862	CP Cable Cat.6A ISO, S/FTP, 4P, LSFRZH, RJ45/s- RJ45/s, RJ45/s connector + Cat.6A ISO connection module. Cable identification: S/FTP. Outer jacket: LSFRZH. Conductor diameter copper strand: AWG26/7. Screened in pairs: AL/polyester foil. Overall screen: copper braid. Outer diameter: 6 mm. 7.5 m 10.0 m 15.0 m	1 1 1	R803721 R802415 R802418
090.6324	CP Cable Cat.6A ISO, U/UTP, 4P, LSZH, RJ45/u- RJ45/u, RJ45/u connector + Cat. 6A ISO connection module. Cable identification: U/UTP. Outer jacket: LSZH. Conductor diameter copper strand: AWG27/7. Screened in pairs: no. Overall screen: no (non continuous Alien X-Talk suppression tape). Outer diameter: 6.0 mm. 7.5 m 10.0 m 15.0 m	10 5 5	R804909 R804910 R804911
010.2862	CP Cable Real10 Cat.6, S/FTP, 4P, LSFRZH, RJ45/s- RJ45/s, RJ45/s connector + Cat. 6 connection module. Cable identification: S/FTP. Outer jacket: LSFRZH. Conductor diameter copper strand: AWG26/7. Screened in pairs: AL/polyester foil. Overall screen: copper braid. Outer diameter: 6 mm. 7.5 m 10.0 m 15.0 m	10 5 5	R307092 R307093 R307094

Features

- Consolidation point - flex cables (CP cables) are used in horizontal cabling applications of open cabling systems
- They are the link between the central distributor and the workplace outlet
- CP flex cables Cat.6 are available in shielded and unshielded versions
- Their installation is simple and saves a lot of time
- Connection 1:1 between connector and RJ45 connection module

i Other cable lengths and connections on request

Patch Cords
RJ45 Patch Cord Cat.6A ISO

وصلات مرنة
RJ45 Cat.6A ISO وصلات مرنة



- Features**
- Cat.6A ISO allow transmission frequencies of ≥ 650 MHz
 - 100 Ohm impedance
 - Available in shielded and unshielded versions
 - Compliant with Cat.6A ISO, Class EA (500 MHz) requirements: ISO/IEC 11801.2.1
 - Compliant with Cat.6A ISO component standards IEC 60603-7-41 (unshielded) or 60603-7-51 (shielded)
 - Connection 1:1

Ordering Information	Description	PU	Part No.
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Ordering Information	Description	PU	Part No.
	Patch Cord Cat.6A ISO, S/FTP, 4P, LSFRZH, RJ45/s-RJ45/s, Cable identification: S/FTP. Outer jacket: LSFRZH. Conductor diameter copper strand: AWG26/7. Screened in pairs: AL/foil. Overall screen: copper braid. Outer diameter: 6 mm.		
	0.5 m	10	R509857
	1.0 m	10	R509858
	1.5 m	10	R509860
	2.0 m	10	R509861
	3.0 m	10	R509862
	5.0 m	10	R509863
	7.5 m	10	R509864
	10.0 m	10	R509865
	12.5 m	5	R509866
	15.0 m	5	R509867
	20.0 m	5	R509868



Ordering Information	Description	PU	Part No.
	Patch Cord Cat.6A ISO, U/UTP, 4P, LSFRZH, RJ45/u-RJ45/u, Cable identification: U/UTP. Outer jacket: LSFRZH. Conductor diameter copper strand: AWG26/7. Screened in pairs: no. Overall screen: no. Outer diameter: 6.0 mm.		
	0.5 m	10	R509869
	1.0 m	10	R509870
	1.5 m	10	R509871
	2.0 m	10	R509872
	3.0 m	10	R509873
	5.0 m	10	R509874
	7.5 m	10	R509875
	10.0 m	10	R509876
	12.5 m	5	R509877
	15.0 m	5	R509878
	20.0 m	5	R509879

Patch Cords
RJ45 Patch Cord Cat.6

وصلات مرنة
RJ45 Cat.6 وصلات مرنة



- Features**
- Cat.6 U/UTP suitable for transmission frequencies of ≥ 450 MHz
 - Real10 Cat.6 allow transmission frequencies of ≥ 650 MHz
 - 100 Ohm impedance
 - Available in shielded and unshielded versions
 - Compliant with Cat.6, Class E (250 MHz) requirements: ISO/IEC 11801 2nd Edition
 - Compliant with Cat.6 component standards IEC 60603-7-4 and 60603-7-5
 - Connection 1:1

i Cat.6 patch cords are also available in the colors yellow (RAL1018), orange (RAL2003), red (RAL3018), blue (RAL5012), green (RAL6018) and black (RAL7021)
Available custom printing over jacket upon request

Ordering Information	Description	PU	Part No.
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Ordering Information	Description	PU	Part No.
	Patch Cord Cat.6, U/UTP, 4P, LSZH, gray, RJ45/u-RJ45/u, – Cable identification: U/UTP – Outer jacket: LSZH – Conductor diameter copper strand: AWG26/7 – Screened in pairs: no – Overall screen: no – Outer diameter: 5.6 mm		
	0.5 m	10	R302309
	1.0 m	10	R302310
	1.5 m	10	R302311
	2.0 m	10	R302312
	3.0 m	10	R302313
	5.0 m	10	R302314
	7.5 m	10	R302315
	10.0 m	10	R302316
	12.5 m	5	R302317
	15.0 m	5	R302318
	20.0 m	5	R302319



Ordering Information	Description	PU	Part No.
	Patch Cord Real10 Cat.6, S/FTP, 4P, LSFRZH, gray, RJ45/s-RJ45/s, – Cable identification: S/FTP – Outer jacket: LSFRZH – Conductor diameter copper strand: AWG26/7 – Screened in pairs: AL/foil – Overall screen: copper braid – Outer diameter: 6 mm		
	0.5 m	10	R302331
	1.0 m	10	R302332
	1.5 m	10	R302333
	2.0 m	10	R302334
	3.0 m	10	R302335
	5.0 m	10	R302336
	7.5 m	10	R302337
	10.0 m	10	R302338
	12.5 m	5	R302339
	15.0 m	5	R302340
	20.0 m	5	R302418

Patch Cords
RJ45 Patch Cord Cat.6

وصلات مرنة
RJ45 Cat.6 وصلات مرنة

Ordering Information	Description	MOQ	Part Number
090.2374	Patch Cord Real10 Cat.6, S/FTP, 4P, PUR, RJ45/s IP67-RJ45/s IP20, – Patch cords equipped with PUR jackets, ideal for use in harsh environments – Fitted with one RJ45/s IP67 connector incl. protective cap and one RJ45/s IP20 connector	5	R313637
		5	R313638
		5	R313639
		5	R313636

090.2373	Patch Cord Real10 Cat.6, S/FTP, 4P, PUR, RJ45/s IP67-RJ45/s IP67, – Patch cords equipped with PUR jackets, ideal for use in harsh environments – Both sides fitted with RJ45/s IP67 connector incl. protective cap	5	R313641
		5	R313642
		5	R313643
		5	R313640

FLXIBILITY
Tailor-made customer solutions.

Patch Cords
RJ45 Patch Cord Cat.5e

وصلات مرنة
RJ45 Cat.5e وصلات مرنة

Ordering Information	Description	MOQ	Part Number
010.2038.1	Patch Cord Cat.5e, U/UTP, 4P, PVC, gray, RJ45/u-RJ45/u, Cable identification: U/UTP. Outer jacket: PVC. Conductor diameter copper strand: AWG26/7. Screened in pairs: no. Overall screen: no. Outer diameter: 5.1 mm.	10	R305014
		10	R305015
		10	R305019
		10	R305020
		10	R305021
		10	R305022
		10	R305023
		10	R305024
		5	R305025
		5	R305026
		5	R305027

010.2040	Patch Cord Cat.5e, SF/UTP, 4P, LSFRZH, gray, RJ45/s-RJ45/s, Cable identification: SF/UTP. Outer jacket: LSFRZH. Conductor diameter copper strand: AWG26/7. Screened in pairs: no. Overall screen: copper braid + AL/foil. Outer diameter: 5.5 mm.	10	R305039
		10	R305040
		10	R305041
		10	R305042
		10	R305043
		10	R305044
		10	R305045
		10	R305046
		5	R305047
		5	R305048
		5	R305049

010.2040	Patch Cord Cat.5e, SF/UTP, 4P, LSFRZH, gray, RJ45/s-RJ45/s, Cable identification: SF/UTP. Outer jacket: LSFRZH. Conductor diameter copper strand: AWG26/7. Screened in pairs: no. Overall screen: copper braid + AL/foil. Outer diameter: 5.5 mm.	10	R305039
		10	R305040
		10	R305041
		10	R305042
		10	R305043
		10	R305044
		10	R305045
		10	R305046
		5	R305047
		5	R305048
		5	R305049



The DRM adapter has been specifically developed to ensure convenient integration of data technology into 35 mm standard top-hat rails (DIN EN 50 022). It now offers universal applicability, saves space for its ideal format and is exceptionally easily mounted. The result is an effective and convincing support of the horizontal and vertical integration of system components.

Ordering Information	Description	MOQ	Part Number
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DIN Rail Module DRM45, plastic
DIN Rail Module DRM45 for one RJ45 port, SC-RJ or E-2000™ Compact.
Color: light gray (RAL 7035).
Material: plastic (PC-GF10).
Supplied:
– DIN Rail Module DRM45
– Labeling strip
– Instruction manual

10 R314000

i Suitable for RJ45 connection modules and fiberoptic connectors with support plates.



DIN Rail Module DRM45, Real10 Cat.6/s, plastic
DIN Rail Module DRM45 and one connection module RJ45.
Color: light gray (RAL 7035).
Material: plastic (PC-GF10).
Supplied:
– DIN Rail Module DRM45
– Real10 Cat.6 connection module, RJ45/s incl. EMC cover and dust cover
– Labeling strip
– Instruction manual

1 R804257



Galvanic isolation has been developed for protection of medical equipment and systems against stray currents transported by data cables. Network isolators ensure a galvanic isolation of electrical medical devices and systems, in acc. with DIN EN 60601-1. Galvanic isolators are passive, electronic elements without a power supply of their own.

Ordering Information	Description	MOQ	Part Number
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Safe Line Network Isolator, type A
Integrated, passive network isolator in compliance with ISO/IEC 60601-1 for the galvanic isolation of electrical devices for patient protection in medical applications.

1 R508359



Safe Line Network Isolator, type B-FDS
Integrated, passive network isolator in compliance with ISO/IEC 60601-1 for the galvanic isolation of electrical devices for patient protection in medical applications.

1 R802145

Outlets
Global Outlets

مخارج معلومات
مخارج شاملة



- Features**
- Suitable for flush-mounted (FM) and duct-mounted (DM) installations, surface-mounted installations on walls and in ducts
 - Plastic halogen-free in acc. with DIN/VDE 0472/815

Ordering Information	Description	MOQ	Part Number
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- FM Global Outlet 88x88,**
Suitable for flush-mounted (FM) and duct-mounted (DM) installations. For use with cover frames and duct covers of Ø 70 mm in diameter or 70x70 mm cutouts. Suitable for backboxes and floorbox module holders of Ø 60 mm mounting tracks. Recommended depth for backboxes and floorboxes min. 70 mm.
Plastic: PC + ABS, halogen-free.
Supplied:
- Cover frame 88x88 mm
 - 2-part faceplate 60x60 mm
 - M3x12 screws
 - Blind cover (when used as a 1-port outlet)
 - Mounting plate, steel
 - Label strips, blank

2x1-Port, pure white	10	R310788
2x1-Port, oyster white	10	R310789

i Suitable for RJ45 connection modules, connection module ISDN 2xRJ45 and fiberoptic connectors with support plates.



- FM Global Outlet 88x88,**
Suitable for flush-mounted (FM) and duct-mounted (DM) installations. For use with cover frames and duct covers of Ø 70 mm in diameter or 70x70 mm cutouts. Suitable for backboxes and floorbox module holders of Ø 60 mm mounting tracks. Recommended depth for backboxes and floorboxes min. 70 mm.
Plastic: PC + ABS, halogen-free.
Supplied:
- Cover frame 88x88 mm
 - 3-part faceplate 60x60 mm incl. fastening screws
 - Mounting plate, 70x70 mm, steel
 - Label strips, blank

3x1-Port, pure white	10	R507877
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i Suitable for RJ45 connection modules with support plates.

Outlets
Global Outlets

مخارج معلومات
مخارج شاملة

Ordering Information	Description	MOQ	Part Number
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- FM Global Outlet 88x88,**
Suitable for flush-mounted (FM) and duct-mounted (DM) installations. For use with cover frames and duct covers of Ø 70 mm in diameter or 70x70 mm cutouts. Suitable for backboxes and floorbox module holders of Ø 60 mm mounting tracks. Recommended depth for backboxes and floorboxes min. 70 mm.
Plastic: PC + ABS, halogen-free.
Supplied:
- Cover frame 88x88 mm, pure white
 - 4-part faceplate 60x60 mm
 - M3x12 screws
 - Mounting plate, steel
 - Labeling strip, blank

4x1-Port, pure white	10	R305150
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i Suitable for RJ45 special connection module.



- WM Global Outlet 80x80,**
Suitable for surface-mounted installations on walls and in ducts. Housing plus wallplate measures 80x80x67.5 mm. Cable entry at the side or the back. For use with cover frames and duct covers of Ø 60 mm in diameter or 56x56 mm cutouts.
Plastic: PC + ABS, halogen-free.
Supplied:
- Cover frame 80x80 mm
 - 2-part faceplate 60x60 mm
 - M3x12 screws
 - Blind cover (when used as a 1-port outlet)
 - Mounting plate, steel
 - Label strips, blank

2x1-Port, pure white	10	R310786
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i Suitable for RJ45 connection modules, connection module ISDN 2xRJ45 and fiberoptic connectors with support plates.

Outlets
503 Outlets
Flush-Mounted

مخارج معلومات
503 مخارج طراز
تثبيت سطحي



- Features**
- Suitable for flush installations on walls, in ducts (metal and plastic) and in service poles
 - For backboxes of 83.5 mm in horizontal mounting distance
 - Plastic halogen-free in acc. with DIN/VDE 0472/815

Ordering Information	Description	MOQ	Part Number
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- 503 Outlet 117.5x72,**
Plastic: PC, PC/ABS.
Supplied:
- Faceplate, type 503 for 2 RJ45 ports
 - Blind cover (when used as a 1-port outlet)
 - Label strips, blank
- 2x1-Port, pure white** 10 R510839
- i** Suitable for RJ45 connection modules, connection module ISDN 2xRJ45 and fiberoptic connectors with support plates.



- 503 Outlet 118x72,**
Plastic: PC, PC/ABS.
Supplied:
- Faceplate, type 503, for RJ45 snap-in connection modules
 - Hidden screws
 - 2 blind covers (when used as a 2-port outlet)
 - Label strips
- 4x1-Port, pure white** 10 R304275
- i** Suitable for RJ45 snap-in connection module.

Outlets
BS Faceplates
Flush-Mounted

مخارج معلومات
BS مخارج طراز
تثبيت سطحي



- Features**
- Suitable for flush and surface mount installations
 - Ready for the R&M security system
 - Including label window and exchangeable label strips
 - Recommended depth for backboxes and floorboxes ≥ 70 mm
 - Unibody design for convenience
 - Prominent R&M logo, Black color

Ordering Information	Description	PU	Part No.
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- BS Faceplate 2x1 port, pure white**
Supplied:
- Faceplate 86x86 mm for 2 RJ45 ports, including fastening screws
 - Label strips
 - 1 Blind cover (when used as a 1 port outlet)
- 2x1-Port, pure white** 1 R795068



- BS Faceplate 3x1 port, pure white**
Supplied:
- Faceplate 86x86 mm for 2 RJ45 ports, including fastening screws
 - 2 Label strips
 - 1 Blind cover (when used as a 2 port outlet)
- 3x1-Port, pure white** 1 R795069



- BS Faceplate 4x1 port, pure white**
Supplied:
- Faceplate 86x86 mm for 2 RJ45 ports, including fastening screws
 - 2 Label strips
- 4x1-Port, pure white** 1 R795070

Outlets
Flap Jack Module Holder (Type 6C)
Flush-Mounted



- Features**
- Suitable for flush and wall mounting
 - Matching standard British cutout dimensions (6C)
 - The horizontal design requires only half the space for RJ45 modules compared to other solutions
 - The angled entry (45°) provides maximum cable protection
 - Halogen-free in acc. with DIN/VDE 0472/815

مخارج معلومات
6C طراز **Flap Jack** مخارج معلومات
 تثبيت سطحي

Ordering Information	Description	PU	Part No.
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- Module Holder Flap Jack (Type 6C),**
 – Plastic: PC
 Supplied:
 – Flap Jack Module Holder
 – Instructions manual
Module Holder Flap Jack (Type 6C), 1-Port, pure white 20 R303155
Module Holder Flap Jack (Type 6C), 1-Port, jet black 20 R305702

i Suitable for RJ45/u special connection modules and Flap Jack connection modules



- Mounting Plate Flap Jack 86x86,**
 – Plastic: PC
2x1-Port, pure white 20 R303154



- Module Holder (Type 6C), For FloorBox**
 – Plastic: PC
 Supplied:
 – Module Holder
 – Instructions manual
Module Holder FloorBox (Type 6C), 1-Port, pure white 1 R135856

i Suitable for Cat 6A/ISO Keystone R509508; R509509

Outlets
Shuttered "Fascia"
Flush-Mounted



- Features**
- Suitable for flush installations and combined with a mounting frame also for surface mounting
 - Wall plate dimensions 86x86 mm featuring a 50x50 mm cutout for 2 module holders
 - The 2-port outlet can be turned into a 1-port outlet by using a blind cover
 - Recommended depth for backboxes and floorboxes ≥ 70 mm

مخارج معلومات
 مخارج معلومات ذاتية الانغلاق
 تثبيت سطحي

Ordering Information	Description	PU	Part No.
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- Shuttered "Fascia" 86x86,**
 – 50x50 mm cutout for two mounting plates/blind cover
 – Plastic: ABS
2x1-Port, pure white 20 R925895



- Mounting Plate "Fascia" 25x50,**
 – Plastic: ABS
1-Port, pure white 20 R925842

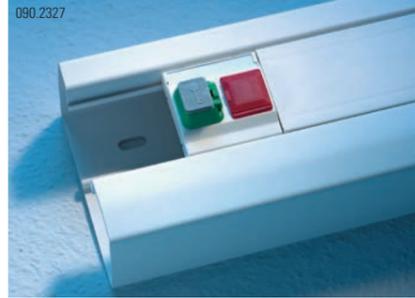
i Suitable for RJ45 connection modules and fiberoptic connectors with support plates



- Blind Cover "Fascia" 25x50,**
 – Plastic: ABS
1-Port, pure white 40 R925897

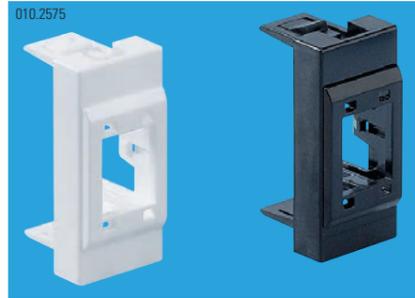
Outlets
Mounting Plates 45x45
Duct-Mounted

مخارج معلومات
45x45 مخارج
تثبيت مجرى



- Features**
- These mounting plates require a standard cutout of 45x45 mm
 - Ready for the R&M security system
 - Angled RJ45 entry for maximum cable protection
 - Recommended depth for backboxes and floorboxes ≥ 70 mm

Ordering Information	Description	MOQ	Part Number
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- Mounting Plate 22.5x45,**
Supplied:
– Faceplate 22.5x45 mm, flat
– Module holder for one RJ45 connection module
- 1-Port, white**
1-Port, black

10	R307835
10	R307837



- Mounting Plate 45x45,**
Plastic: PC/ABS.
Supplied:
– Double mounting plate 45x45 mm, flat, for holding two RJ45 connection modules
– Blind cover (when used as 1-port outlet)
– Label strips, blank
- 2x1-Port, jet black**

10	R313333
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i Suitable for RJ45 connection modules and FO connectors with support plates.



- Angled Mounting Plate 45x45,**
Plastic: PC/ABS.
Supplied:
– Mounting plate 45x45mm with angled exit, for holding one RJ45 connection module
– Label strips, blank
- 1-Port, pure white**

10	R506663
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i Suitable for RJ45 connection modules and FO connectors with support plates.



- Angled Mounting Plate 45x45,**
Plastic: PC/ABS.
Supplied:
– Double mounting plate 45x45mm with angled exit, for holding two RJ45 connection modules
– Blind cover (when used as 1-port outlet)
– Label strips, blank
- 2x1-Port, pure white**
2x1-Port, jet black

10	R313332
10	R313331

i Suitable for RJ45 connection modules and FO connectors with support plates.

Outlets
Outlets IP54
Surface- and Flush-Mounted

مخارج معلومات
مخارج حماية IP54
تثبيت سطحي وعلى الحائط



- Operational scope:**
- Suitable for surface and flush mounting in wet locations
 - Water and dust protected in accordance with IP 54 (Quinel)
 - Temperature range of -25°C to +80°C (-40°C to +80°C for storage and transport)
 - Steam, hot water, oils
 - Condensation
 - Salty water environment
 - Dust in any form
 - Air pollution in general (non acid)

Ordering Information	Description	MOQ	Part Number
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- FM Connection Box Splash Line IP54, 87x87,**
Color: pure white (RAL 9010).
Supplied:
– Foam-rubber padded mounting frame
– Cover frame
– Round central plate including O-ring and fastening screws
– Label strips
– Label window
– Instruction manual
- 1x1-Port, white**
2x1-Port, white

1	R307037
1	R307036



- SM Connection Box Splash Line IP54, 87x87,**
Color: pure white (RAL 9010).
Supplied:
– Bottom part surface-mounted housing
– Foam-rubber padded mounting frame
– Cover frame
– Round central plate including O-ring and fastening screws
– Label strips
– Label window
– Instruction manual
- 1x1-Port, white**
2x1-Port, white

1	R307038
1	R307039

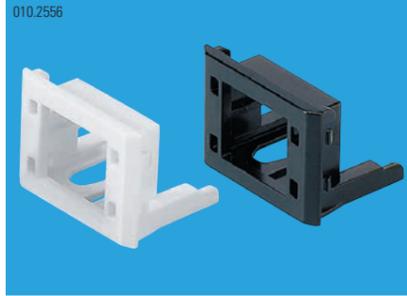
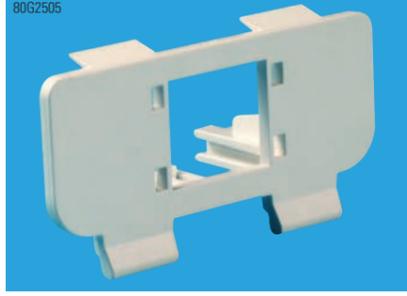
i Also mounted on DIN top-hat rail.
Cable glands M20x1.5 (min. IP55) not included.

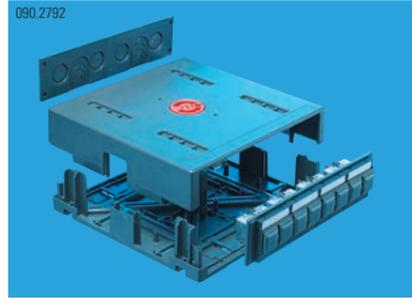


- Mounting Frame IP54**
For round cut-outs, M32 (Ø 32 mm). Compatible with RJ45 and FO module.
Supplied:
– Mounting frame
– Gasket
– 4 fastening screws
– Installation instructions

10	R313733
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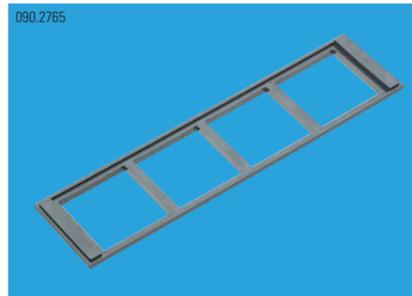
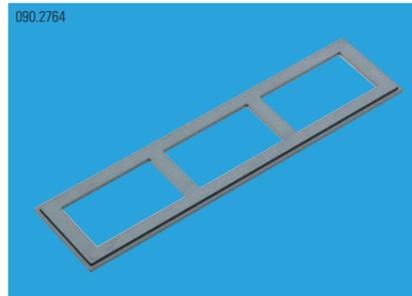
Ordering Information	Description	MOQ	Part Number
010.1371 	A4 Label Sheet, For labeling: – 503 outlets, 4x1-port, – US faceplates, 6x1-port, Supplied: – A4 sheet of 48 perforated label strips (blank) – Paper thickness 0.15 mm 48x 70.3x9.7 mm	10	R300318
010.0932 	A4 Label Sheet, For labeling: – SM Global outlet 80x80, 2x1-port, – SM Global outlet blind 80x80, – FM Global outlet 88x88, 2x1-port, – FM Global outlet blind 88x88, – DM Global outlet 80x86, 2x1-port, – DM Global outlet blind 80x86, – DM Global outlet 84x84, 2x1-port, – BS Faceplate 86x86, 2x1-port, – BS Faceplate 86x86, 3x1-port, – BS Faceplate 86x86, 4x1-port, Supplied: – A4 sheet of 104 perforated label strips (blank) – Paper thickness 0.15 mm 104x 50x9 mm	1	R312102
<p> Get a free MS Word template at our website (www.rdm.com/universe) for fast and professional labeling.</p>			
010.0932 	A4 Label Sheet, For labeling: – DM outlets Ø 62.5, 2x1-port, – 503 outlets, 2x1-port, – US faceplates, 2x1-port, – FM and SM outlets, 6x2x1-port, Supplied: – A4 sheet of 84 perforated label strips (blank) – Paper thickness 0.15 mm 84x 55.6x8.8 mm	10	R925702
010.2161 	A4 Label Sheet, For labeling: – Mounting Plates 45x45, Supplied: – A4 sheet of 85 perforated label strips (blank) – Paper thickness 0.15 mm 120x 42.5x8.1 mm	1	R313397

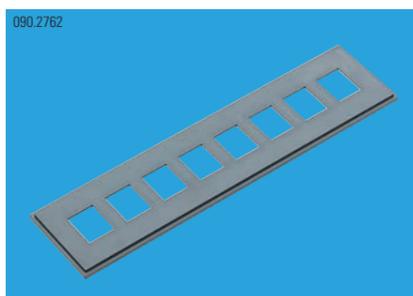
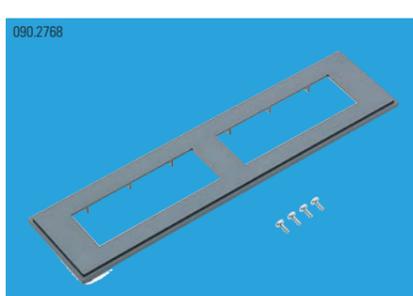
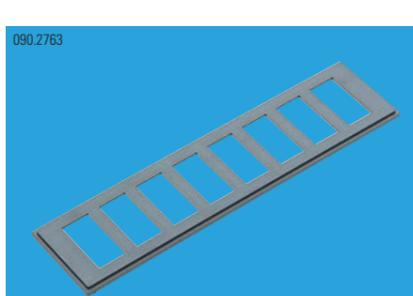
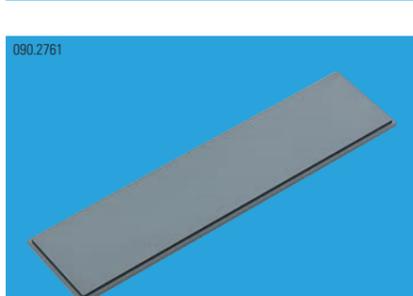
Ordering Information	Description	MOQ	Part Number
090.2099 	Adapter No. 1 For use with different third-party faceplates. Can be fitted with the R&M special connection module.	20	R310694
010.2556 	Module Holder RJ45 / E-2000™-Compact / SC-RJ / Universal Adapter, Module holder for RJ45 connection modules, E-2000™-Compact, SC-RJ adapter or universal adapters with mounting plates. white black	10 10	R307832 R307833
80G2505 	Outlet Connection Module Holder, Color: white (RAL 9010). 1xRJ45 2xRJ45	10 10	R925380 R925381
010.0934 	Blind Cover Universal, For covering one unused port on a connection module. Snapped-on instead of a coding system. white	100	R925719

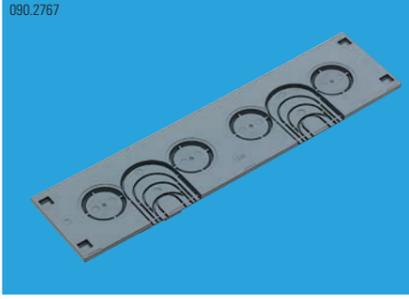
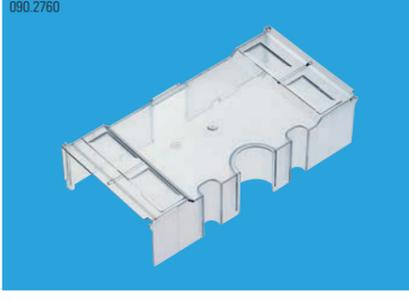
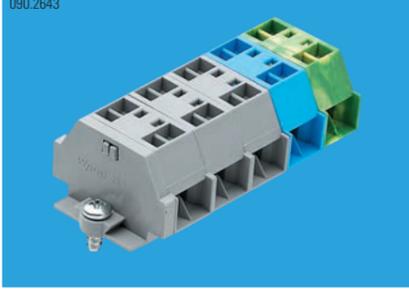


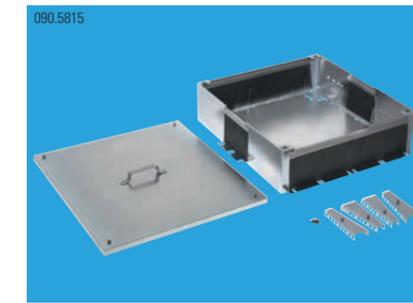
- Features**
- High packing density, 16-port
 - Platform for power, data and communications
 - Eight different fronts, anthracite (RAL 7016)
 - High load of at least 200 kg
 - Low fire load V-0, halogen free
 - Standard conforming separation
 - Connector for stacking, raising, fixing, alignable
 - Lateral breakout points and cable gland
 - Compact size

i On request all the boxes are delivered equipped and wired.

Ordering Information	Description	MOQ	Part Number
	U-Box Housing with Cable Grommet Screen Platform for structured cabling systems. Supplied: – Box with bottom and cover – Cable grommet – 6 mounting clips – Installation instructions	1	R317073
	U-Box Housing, empty Platform for structured cabling systems. Supplied: – Box with bottom and cover – 6 mounting clips – Installation instructions	1	R317082
	U-Box Faceplate 4x45x45 For data and power installations in 45x45 mm mounting dimensions.	10	R317074
	U-Box Faceplate 3xFLF For data and power installations in 54x32 mm FLF mounting dimensions.	10	R317075

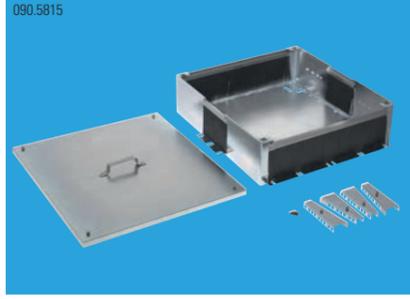
Ordering Information	Description	MOQ	Part Number
	Radius Limiter R20 Radius limiter 20 mm for FO excess cable.	1	R318804
	U-Box Faceplate 8xRJ45 Snap-in For RJ45 Snap-in connection modules.	10	R317076
	U-Box Faceplate 2x 10xRJ45 Voice Module For 2 connection modules 10xRJ45. Supplied: – Screen – 4 screws KA30x6 mm	5	R317078
	U-Box Faceplate 8xPower Snap-in For Wago, Wieland Snap-in connectors in 15.6x33 mm mounting dimensions.	10	R317077
	U-Box Faceplate Blind For special applications.	1	R317079

Ordering Information	Description	MOQ	Part Number
	U-Box Faceplate 4x45x45, power Italy For mosaic sockets, Italy.	5	R317091
	U-Box Faceplate Cable Entry For 4 screwed cable glands M20 to M25 and 2 cable grommets, 4 levels.	10	R317080
	U-Box Separation Cover Internal cover to separate data from power.	1	R317081
	Terminal Block, pluggable Plug-in Terminal 5x2.5 mm ² (N, PE).	10	R317083
	Terminal Block, screwed Screw Terminal 5x2.5 mm ² (N, PE).	1	R317084



Features

- The underfloor housing (Raised Floor Box) serves as zone distributor area (ZDA) or consolidation point in data centers.
- Installed in the raised floor, the housing offers room for 288 connections.
- The steel housing neatly fits the 600x600 millimeter grid dimensions.
- This solution has been designed for raised floors in data centers and is therefore advantageous for the space requirements in 19" distribution cabinets.

Ordering Information	Description	MOQ	Part Number
	Raised Floor Box, metal, The underfloor housing serves as zone distributor area (ZDA) or consolidation point in data centers. Installed in the raised floor, the housing offers room for 288 connections. The steel housing neatly fits the 600x600 millimeter grid dimensions. Supplied: – Steel box IP20 – Keyed cover – 19" integration supported by mounting angles – Velcro tape 20 x 400 mm – Installation instructions 179.5x550x580 mm	1	R512692
	Mounting brackets, raised floor box, metal For a freely adjustable positioning of the raised floor box in hollow floors of 250 mm and more. Supplied: – 2 back mount frames for 600 x 600 mm (grid size) – 4 mounting clamps for column holder – 8 mounting screws for column holder – Installation instructions	1	R512693

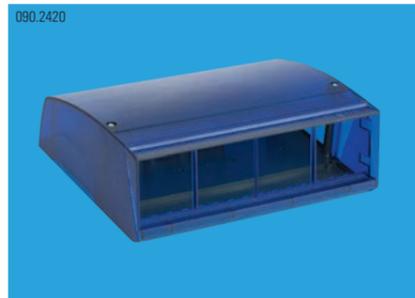


Features

- Flexible workplace accessing
- Double cable strain relief provided by FLEXkanal holder
- Accepted power outlets German, Swiss, Belgian/French and British, Italian, US, Chinese, Australian
- Accepted data communication components: mounting plate for connection module RJ45, SC-RJ and E-2000™ Compact
- Accepted multimedia components: Chinch, VGA 15-pin, USB™ A"
- Mounting plate features R&M Smartholes for the R&M security system
- All boxes come equipped, wired and connector-ready on request

- i** On request equipped with:
- Schuko (white, black, orange)
 - T13 (white, black, orange)
 - Switch / Pushbutton (white, black)
 - USB, VGA and chinch jack (white, black)

Ordering Information	Description	MOQ	Part Number
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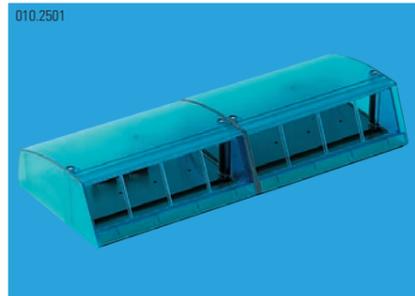
DESKbox empty, 4x45x45,

All installations with 45x45 mm installation track for data and power connections.

Supplied:

- Box, empty, ready to be fitted with 4 devices (45x45mm)
- 4 plastic base units
- Cable entry at the back
- FLEXkanal holder featuring double strain relief

clear (transparent)	1	R307791
blue (transparent)	1	R307792
green (transparent)	1	R307793
orange (transparent)	1	R307794
anthracite	1	R309571
light gray	1	R313972
pure white	1	R313971



DESKbox empty, 8x45x45,

All installations with 45x45 mm installation track for data and power connections.

Supplied:

- Box, empty, ready to be fitted with 8 devices (45x45mm)
- Linking bottom plate, metal
- 8 plastic base units
- Cable entry at the back (box left)
- FLEXkanal holder featuring double strain relief

clear (transparent)	1	R307797
blue (transparent)	1	R307798
green (transparent)	1	R307799
orange (transparent)	1	R307800
anthracite	1	R309709
light gray	1	R314319
pure white	1	R314320



DESKbox fully populated, 4xSchuko/white,

Supplied:

- Box, empty
- Assembled with 4 Schuko sockets
- 4 plastic base units
- Cable entry at the rear
- FLEXkanal holder featuring double strain relief

clear (transparent)	1	R307801
blue (transparent)	1	R307802

Ordering Information	Description	MOQ	Part Number
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DESKbox partly populated, 3xSchuko/white-2xRJ45/white,

Supplied:

- Box, empty , Assembled with 3 Schuko sockets/white
- Assembled with 1 faceplate/white for 2 RJ45 modules incl. single support plate (without modules)
- 4 plastic base units, Cable entry at the rear
- FLEXkanal holder featuring double strain relief

clear (transparent)	1	R307787
blue (transparent)	1	R307788
green (transparent)	1	R307789
orange (transparent)	1	R307790



DESKbox partly populated, 2xSchuko/orange-4xRJ45/white,

Supplied:

- Box, empty
- Assembled with 2 Schuko sockets/orange
- Assembled with 2 faceplates/white for 4 RJ45 modules incl. single support plate (without modules)
- 4 plastic base units, Cable entry at the rear
- FLEXkanal holder featuring double strain relief

clear (transparent)	1	R307805
blue (transparent)	1	R307806



DESKbox partly populated, 3xSchuko/black-2xRJ45/black-Schuko plug/5m,

Supplied:

- Box, empty, Assembled with 3 Schuko sockets/black
- Assembled with 1 faceplate/black for 2 RJ45 modules incl. single support plate (without modules)
- 230V power cable 3 x 1.5 mm², 5 m, with Schuko plug
- Wired to clamp 5 x 2.5 mm²
- 4 plastic base units, Cable entry at the back
- FLEXkanal holder featuring double strain relief

anthracite	1	R314430
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Plastic Base, adhesive,

For a firm grip of the boxes on smooth surfaces.

qty 4	1	R307786
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3M Dual Lock,

For fastening the boxes - on or underneath the work desk.
qty 2, 25x20 mm

	1	R307785
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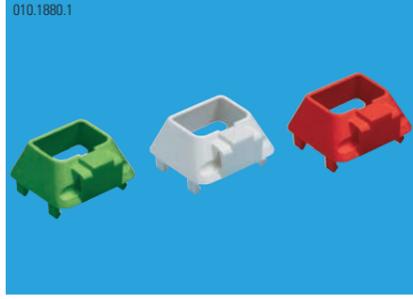
Security level 1 (visual color coding)

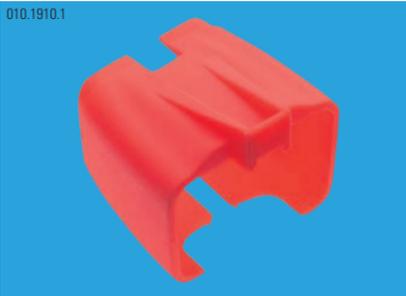
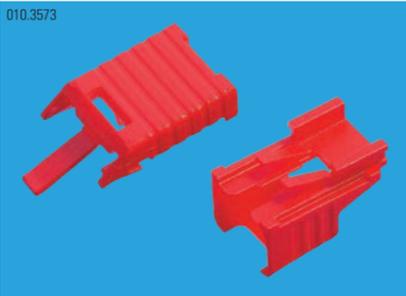
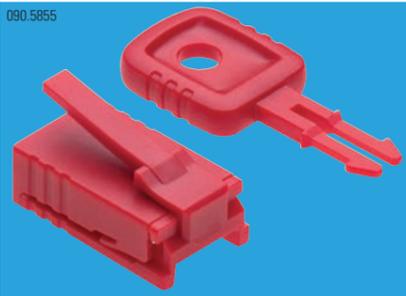
The visual color coding supports correct connecting of the respective copper and fiberoptic cables. The color coding clips are easily clipped to connection cables and ports (outlets, patch panels). When applications are reassigned within the network, the color coding elements are simply moved or replaced, no tools needed.

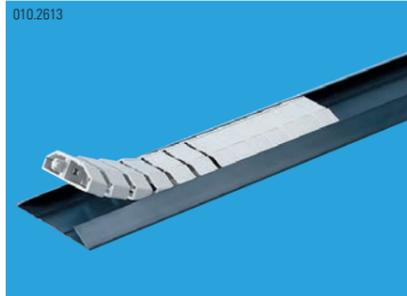
Ordering Information	Description	MOQ	Part Number
010.1885.1	Hinged Dust Cover, Dust cover and color coding for RJ45 outlets and patch panels. Fitting R&M Smartholes.		
	anthracite	10	R305685
	blue	10	R305686
	brown	10	R305687
	yellow	10	R305688
	gray	10	R305689
	green	10	R305690
	red	10	R305691
	violet	10	R305692
	white	10	R305693
090.6147	HD Hinged Dust Cover, Dust cover and color coding for HD patch panel.		
	anthracite	10	R512748
	blue	10	R512749
	brown	10	R512750
	yellow	10	R512751
	gray	10	R512752
	green	10	R512753
	red	10	R512754
	violet	10	R512755
	white	10	R512756
010.1696	Color Coding RJ45 Connector, Color coding for RJ45 patch cords and consolidation point patch cords.		
	anthracite	20	R302342
	blue	20	R302343
	brown	20	R302344
	gray	20	R302347
	violet	20	R302420
090.2713	Easy Latch RJ45 Connector, Easy Latch for RJ45 patch cords and consolidation point patch cords.		
	anthracite	20	R317100
	blue	20	R317094
	brown	20	R317095
	yellow	20	R317096
	gray	20	R317097
	green	20	R317098
	red	20	R317099
	violet	20	R317093

Ordering Information	Description	MOQ	Part Number
010.1713	Snap-in Coding Clip, Color coding clip for snap-in adapters and the multimedia outlet.		
	anthracite	10	R302151
	blue	10	R302152
	brown	10	R302153
	green	10	R302154
	violet	10	R302156
	white	10	R302157
	yellow	10	R302158
010.2208	Snap-in Frame Supplied: – Snap-in frame	10	R316946
090.2855	Color Coding RMS45, Matching the RMS45 insert and RMS45 plugs, 1- and 2-pair. Four color codings per block.		
	anthracite	10	R319031
	blue	10	R319024
	brown	10	R319025
	yellow	10	R319026
	gray	10	R319027
	green	10	R319028
	red	10	R319029
	violet	10	R319030
090.5608	Color Coding FM45 Metal Housing, IP20, Matching the FM45 connector housing IP20, metal.		
	blue	10	R510661
	brown	10	R510664
	yellow	10	R510659
	gray	10	R510662
	green	10	R510663
	red	10	R510665
	violet	10	R510660
	anthracite	10	R510658
090.2158	FM45 Color Coding Clip, Color coding for connector FM45.		
	blue	10	R311580
	brown	10	R311569
	yellow	10	R311579
	gray	10	R311570
	green	10	R311577
	red	10	R311571
	violet	10	R311575
	anthracite	10	R311561

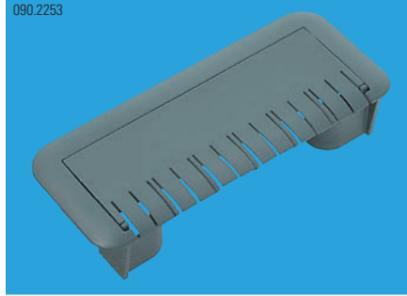
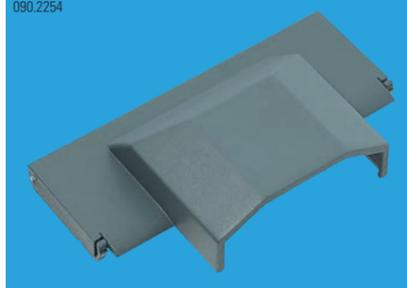
Ordering Information	Description	MOQ	Part Number
010.2134 	Splash Cap IP54, Offering dust protection and color coding to data outlets and patch panels. The cap with its rubber seal provide protection class IP54. Supplied: – Splash cap – Rubber seal – Installation manual white blue red yellow green	10 10 10 10 10	R306063 R306058 R306062 R306060 R306061
010.2127 	Splash Sleeve IP54, Elastic, transparent rubber sleeve suitable for all RJ45 patch cords. Together the Splash sleeve and the Splash cap offer protection class IP54. transparent	10	R306064
090.3111 	Splash Sleeve Universal IP54, Elastic, transparent rubber sleeve suitable for RJ45, FM45 IP20, E-2000™, E-2000™-Compact, LC-Duplex, SC, SC-RJ and SMI patch cords. Together the Splash sleeve universal and the Splash cap universal offer protection class IP54. transparent	10	R320385
010.3209 	Color Coding IP67, type 06, plastic Color coding clips suitable for RJ45 IP67 connectors, SC-RJ IP67 connectors and adapter frames. Supplied: – 50 coding clips, white – 50 coding clips, blue – 50 coding clips, orange – 50 coding clips, yellow	1	R310262
090.2042 	Plug Reduction Frame RJ45 onto RJ11/RJ12 Prevents RJ45 plugs (data) being plugged into RJ45 outlets defined as telephone sockets (RJ11 connectors) by mistake. Compatible with R&M RJ45 modules.	10	R310835

Ordering Information	Description	MOQ	Part Number
010.3116 	Security level 3 (mechanical plug-out / plug-in protection) These products introduce future-proof security to network connections. Only trained and authorized staff can release copper or fiberoptic connections. Copper and FO connectors can also be lock-protected for authorized plug-in only.		
010.1880.1 	Plug Guard RJ45, RJ45 connection protection for outlets and patch panels. Fitting R&M Smartholes. Supplied: – Plug Guard – 1 key per packing unit green white red	20 20 20	R304825 R304827 R304826
010.2289 	Jack Guard RJ45 plug-in protection for outlets and patch panels. Fits Plug Guard. Supplied: – Jack Guard – 1 key per packing unit	20	R307199
090.2289 	Key Plug Guard / Fiber Guard Key and key-ring to Plug Guard and Fiber Guard.	1	R304828
090.6148 	HD Plug Guard RJ45, RJ45 connection protection for HD patch panels. Supplied: – HD Plug Guard – 1 key per packing unit green white red	20 20 20	R512757 R512758 R512759

Ordering Information	Description	MOQ	Part Number
090.6149 	Key HD Plug Guard Key to HD Plug Guard.	1	R512760
010.1910.1 	Safe Clip Locking element for RJ45 patch cords (R&M standard patch cords), protecting connections from being unplugged by mistakes.	20	R304807
010.3573 	Patch Guard RJ45 Lockable plug-out protection for RJ45 connecting cables (R&M standard patch cables). Supplied: – Patch Guard, top part – Patch Guard, bottom part – 1 key per packing unit	20	R313814
090.2288 	Key Patch Guard RJ45 This Patch Guard key releases locked RJ45 connectors. Supplied: – Key plus keyring	1	R313815
090.5855 	Port Guard RJ45 RJ45 plug-in protection for outlets and patch panels. Supplied: – Port Guard – Key	20	R510854

Ordering Information	Description	MOQ	Part Number
010.2730 	Features – For an organized and protected cable routing up to your desk – For connecting deskboxes with cable ducts or floor connection boxes – Integral cable organization in two channels Capacity per channel: – 2 cables of Ø-8.5 mm or 3 cables of Ø-7.5 mm or 4 cables of Ø-7.0 mm or 5 cables of Ø-6.0 mm		
010.2615 	FLEXkanal, For an organized and protected cable routing up to your desk, connecting deskboxes with cable ducts or floor connection boxes. Integral cable organization in two channels. Length 1 m in extended form. black gray (RAL 7021) light gray (RAL 7035) white (RAL 9010) red (RAL 3020) ultramarine (RAL 5002) yellow (RAL 1023) yellow/black gray (RAL 1023/7021)	1 1 1 1 1 1 1	R302724 R307688 R307689 R307976 R307690 R307831 R307830
010.2613 	FLEXkanal Floor Rail Fix the rail on the floor, press the FLEXkanal into it. The angled sides minimize the tripping risk. 1 m, anthracite (RAL 7016) 2 m, anthracite (RAL 7016)	10 10	R307700 R307701
010.2608 	FLEXkanal T-piece, T-piece junction for workplace branching. Supplied: – FLEXkanal floor T-piece – FLEXkanal T-piece cover anthracite (RAL 7016)	10	R307703
010.2571 	FLEXkanal Holder, The FLEXkanal directly fits the holder. Fastened with screws. Supplied: – FLEXkanal adapter – 2 strain relief brackets – 4 screws KA 30x10 mm anthracite	10	R307476

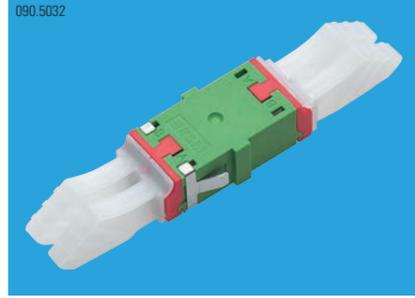
Ordering Information	Description	MOQ	Part Number
010.2573 	FLEXkanal Support, The FLEXkanal is hooked behind the fastening brackets. Fastened with countersunk screws. aluminum	10	R307696
010.2572 	FLEXkanal Adhesive Tape, Both-sides adhesive tape. 15x25 mm	10	R307697
010.2609 	FLEXkanal Suspender FLEXkanal suspender. Can also be screwed on underneath the desk. Supplied: – Suspender – Bracket – Fastening screw	10	R307694

Ordering Information	Description	MOQ	Part Number
090.2194 	Cable Passage Ø 95 with FLEXkanal Link, anthracite Cable grommet for use in raised floor featuring FLEXkanal link. Color: anthracite RAL 7016. Required-Ø: 95 mm.	1	R312767
090.2253 	Cable Passage 50x125, Frame + Lamella Required cutout size: 50x125 mm. Color: anthracite RAL 7016. Supplied: – Frame 50x125 mm – Cable passage with lamella – Fastening kit	1	R312768
090.2254 	Cable Passage 50x125, FLEXkanal Link Cable passage with FLEXkanal link. Color: anthracite RAL 7016. i Excluding frame 50x125 mm	1	R312766
010.2583 	Cable Passage 123x46.5 Cable passage holder, made of stainless sheet steel and featuring 3 fastening holes. Dimensions: 123x46.5x19 mm.	1	R307826
010.2584 	Cover with Brush for Cable Passage 123x46.5 Insert for cable passages, to slide in from the side, featuring a brush. Dimensions: 120x45x4 mm.	1	R307824



Ordering Information	Description	MOQ	Part Number
<p>090.6683</p>	<p>Termination Tool Cat.6A ISO Termination tool for the R&M Cat.6A (ISO) module. Closes reliable all four levers of the RJ45 with one operation and terminates all 4 pairs at the same time. Helps to reduce termination time and increases ease of operation when bigger numbers of Cat.6A (ISO) modules have to be terminated. A fold out metal hook helps with opening the module and with removing the wires from the IDC.</p>	1	R516050
<p>090.6671</p>	<p>Cable Preparation Tool Cat.6A ISO Cable preparation tool, black/red, for PIMF cables. Fast and easy cable preparation. Reduces termination time. Ideally suited for cable preparation for the R&M Cat.6A ISO connection module.</p>	1	R804325
<p>090.6672</p>	<p>Replacement Blade Set for Cable Preparation Tool Cat.6A ISO Replacement blade set for cable preparation tool Cat.6A ISO. Contains two blade inserts. Especially suitable for PIMF cables.</p>	1	R804326
<p>090.2376</p>	<p>Cable Jacket Stripper Stripping tool, red, for round and oval cables up to Ø-11 mm.</p>	1	R300682

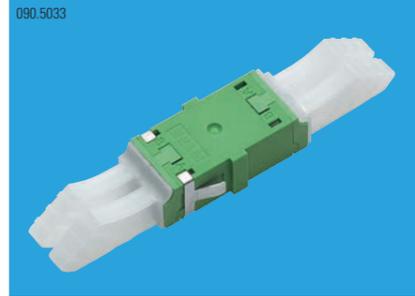




- Features**
- Compact design (SFF)
 - Outstanding optical performance
 - Twice as many terminations as regular connector types
 - Duplex adapter fits in SC Simplex cutout
 - Integral self-closing metal laser protection flaps
 - Semi-transparent plastic dust cover, allowing optical testing with test lasers without removing the cover

i Ceramic = zirconia ceramic alignment sleeve

Ordering Information	Description	MOQ	Part Number
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Adapter LC-Duplex LC-Duplex adapter flangeless with semi-transparent dust caps. Quick mounting clip integrated. Color coding: adapter / frame - frame.			
APC, green/green-green, ceramic SM, C, flangeless	12	R501572	
APC, green/green-non, ceramic SM, C, flangeless	12	R510780	
PC, blue/blue-blue, ceramic SM, C, flangeless	12	R501469	
PC, blue/blue-non, ceramic SM, C, flangeless	12	R510779	
PC, blue/blue-blue, PhBr SM, D, flangeless	12	R500202	



Adapter LC-Duplex LC-Duplex adapter flangeless with semi-transparent dust caps. Quick mounting clip integrated. Color coding: adapter / frame - frame.			
PC, beige/turquoise-turquoise, ceramic MM, M, flangeless	12	R805788	
PC, beige/beige-beige, ceramic MM, M, flangeless	12	R500145	
PC, beige/beige-beige, PhBr MM, N, flangeless	12	R501487	

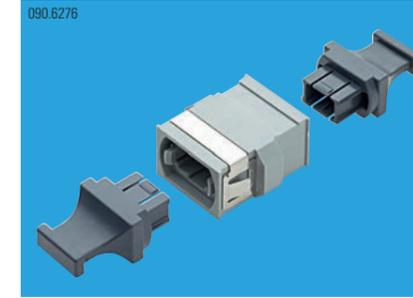


- Features**
- Compact design, accommodating 8-, 12- or 24-fiber MTP or MPO connectors
 - High precision alignment
 - Supplied with two dust caps
 - Available in black (type A) or gray (type B)

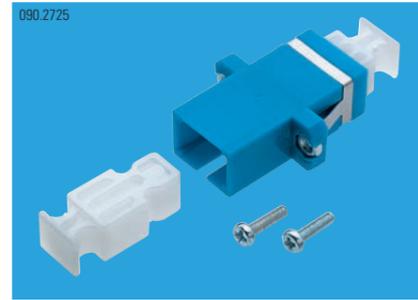
Ordering Information	Description	MOQ	Part Number
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Adapter MTP, type A, black, flangeless MTP adapter flangeless for SC footprint. Quick mounting clip integrated. Supplied: – Adapter MTP – 2 dust caps	12	R803947
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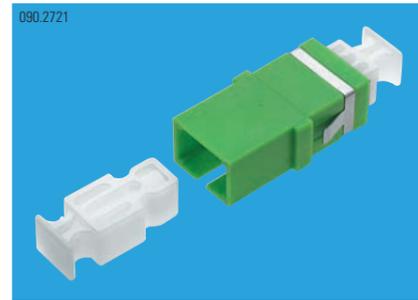
Adapter MTP, type B, gray, flangeless MTP adapter flangeless for SC footprint. Quick mounting clip integrated. Supplied: – Adapter MTP – 2 dust caps	12	R803948
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- Features**
- Injection-molded PBT housing, UL 94 V-0 (flammability index)
 - Split ceramic sleeve
 - 500 mating cycles

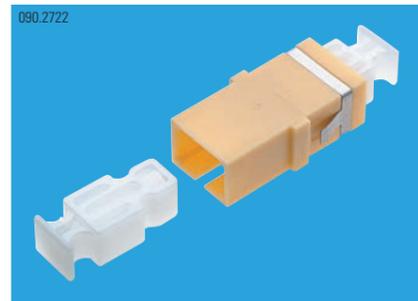
i Ceramic = zirconia ceramic alignment sleeve

Ordering Information	Description	MOQ	Part Number
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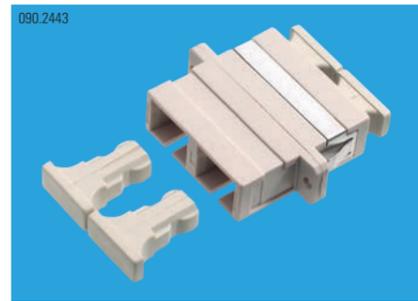
Adapter SC
SC adapter flangeless with semi-transparent dust caps.
Quick mounting clip integrated.

APC, green, ceramic SM, B, flangeless	12	R503783
APC, green, ceramic SM, C, flangeless	12	R503776
PC, blue, ceramic SM, B, flangeless	12	R503769
PC, blue, ceramic SM, C, flangeless	12	R503762
PC, blue, PhBr SM, D, flangeless	12	R503758



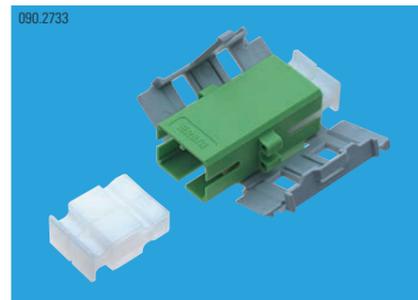
Adapter SC
SC adapter flangeless with semi-transparent dust caps.
Quick mounting clip integrated.

PC, beige, ceramic MM, M, flangeless	12	R503689
PC, beige, PhBr MM, N, flangeless	12	R503671



Adapter SC-Duplex
Supplied:
– SC-Duplex adapter
– 2 Philips head screws M2 x 8, blue galvanized
– 2 mounted hexagonal nuts M2, blue galvanized

APC, green, ceramic SM, C	12	R804260
PC, blue, ceramic SM, C	12	R30805
PC, blue, PhBr SM, D	12	R306879
PC, beige, ceramic MM, M	12	R317064
PC, beige, PhBr MM, N	12	R303561



Adapter SC-RJ
Supplied:
– SC-RJ adapter with semi-transparent dust caps
– Snap-in frame with coding clip, gray
– Installation instructions

APC, green, ceramic SM, B, Snap-in	12	R318279
APC, green, ceramic SM, C, Snap-in	12	R318278
PC, blue, ceramic SM, C, Snap-in	12	R318276
PC, blue, PhBr SM, D, Snap-in	12	R318275
PC, beige, ceramic MM, M, Snap-in	12	R318274
PC, beige, PhBr MM, N, Snap-in	12	R318273
PC, black, PhBr MM, N, Snap-in	12	R312775

Ordering Information	Description	MOQ	Part Number
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Adapter SC-RJ
Supplied:
– SC-RJ adapter flangeless with semi-transparent dust caps
– Support plate
– Installation instructions

APC, green, ceramic SM, B, support plate	12	R318272
APC, green, ceramic SM, C, support plate	12	R318271
PC, blue, ceramic SM, C, support plate	12	R318270
PC, blue, PhBr SM, D, support plate	12	R318269
PC, beige, ceramic MM, M, support plate	12	R318268
PC, beige, PhBr MM, N, support plate	12	R318266
PC, black, ceramic SM, C, support plate	12	R308461
PC, black, PhBr MM, N, support plate	12	R308459



Adapter SC-RJ
SC-RJ adapter flangeless with semi-transparent dust caps.

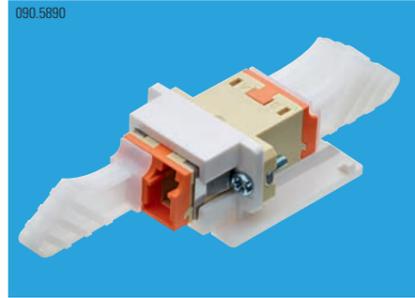
APC, green, ceramic SM, C, flangeless	12	R510759
PC, blue, ceramic SM, C, flangeless	12	R510758

i Without support plate.



Adapter IP67 SC-RJ
Supplied:
– SC-RJ adapter with semi-transparent dust caps
– Support plate for mounting frame IP67

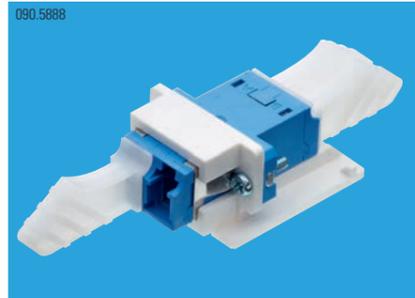
PC, black, ceramic SM, C	12	R311496
PC, black, PhBr MM, N	12	R309641



- Features**
- Integration in many R&M platforms
 - Split ceramic sleeve
 - 500 mating cycles

i Adapters are color-coded
(singlemode APC = green; singlemode PC = blue; multimode = beige)

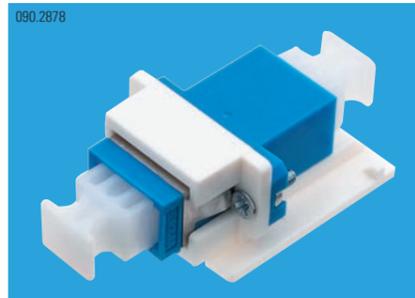
Ordering Information	Description	MOQ	Part Number
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- Universal Adapter LC-Duplex**
Universal adapter equipped with adapter.
APC, green/green-non, ceramic SM, C
PC, blue/blue-blue, ceramic SM, C
PC, beige/turquoise-non, ceramic MM, M
PC, beige/orange-non, ceramic MM, M
PC, beige/beige-beige, PhBr MM, N

1	R802141
1	R318738
1	R802140
1	R802139
1	R318739

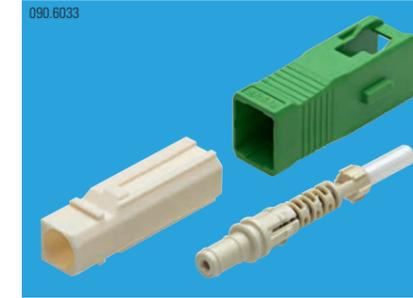
i Only for unshielded platforms.



- Universal Adapter SC**
Universal adapter equipped with adapter.
PC, blue, ceramic SM, C
PC, beige, PhBr MM, N

1	R318736
1	R318737

i Only for unshielded platforms.



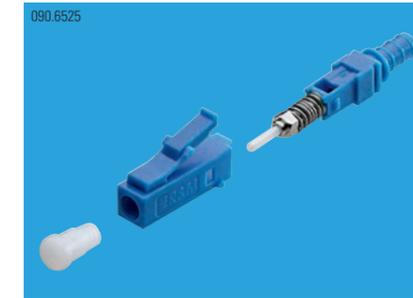
- Features**
- Consistent coefficient of expansion thanks to full-ceramic ferrule
 - Different grades (M, D and C)
 - Different ferrule types available

Ordering Information	Description	MOQ	Part Number
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- Connector LC PC,**
Locking type push-pull. Injection-molded PBT housing, UL 94 V-0 (flammability index).
Supplied:
– Connector housing
– Ferrule holder for pigtail incl. ferrule
– White plastic dust cover
SM, blue, 126.0 (+1/-0) μm, pigtail
MM, beige, 127.0 (+2/-0) μm, pigtail

100	R804280
100	R804281



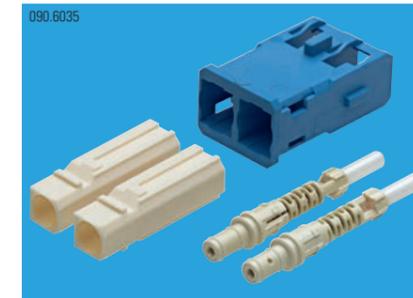
- Connector LC PC,**
Locking type push-pull. Injection-molded PBT housing, UL 94 V-0 (flammability index).
Supplied:
– Connector housing
– Ferrule holder for patch cable incl. ferrule
– White plastic dust cover
SM, blue, 126.0 (+1/-0) μm, patch cable
MM, beige, 127.0 (+2/-0) μm, patch cable

100	R804277
100	R804278



- Connector SC PC,**
Locking type push-pull. Injection-molded PBT housing, UL 94 V-0 (flammability index).
Supplied:
– Inner and outer connector housings
– Ferrule holder incl. ferrule
SM, blue, 125.5 (+1/-0) μm
MM, beige, 127.0 (+3/-0) μm
MM, beige, 144.0 (+4/-0) μm
MM, beige, 232.0 (+2/-0) μm

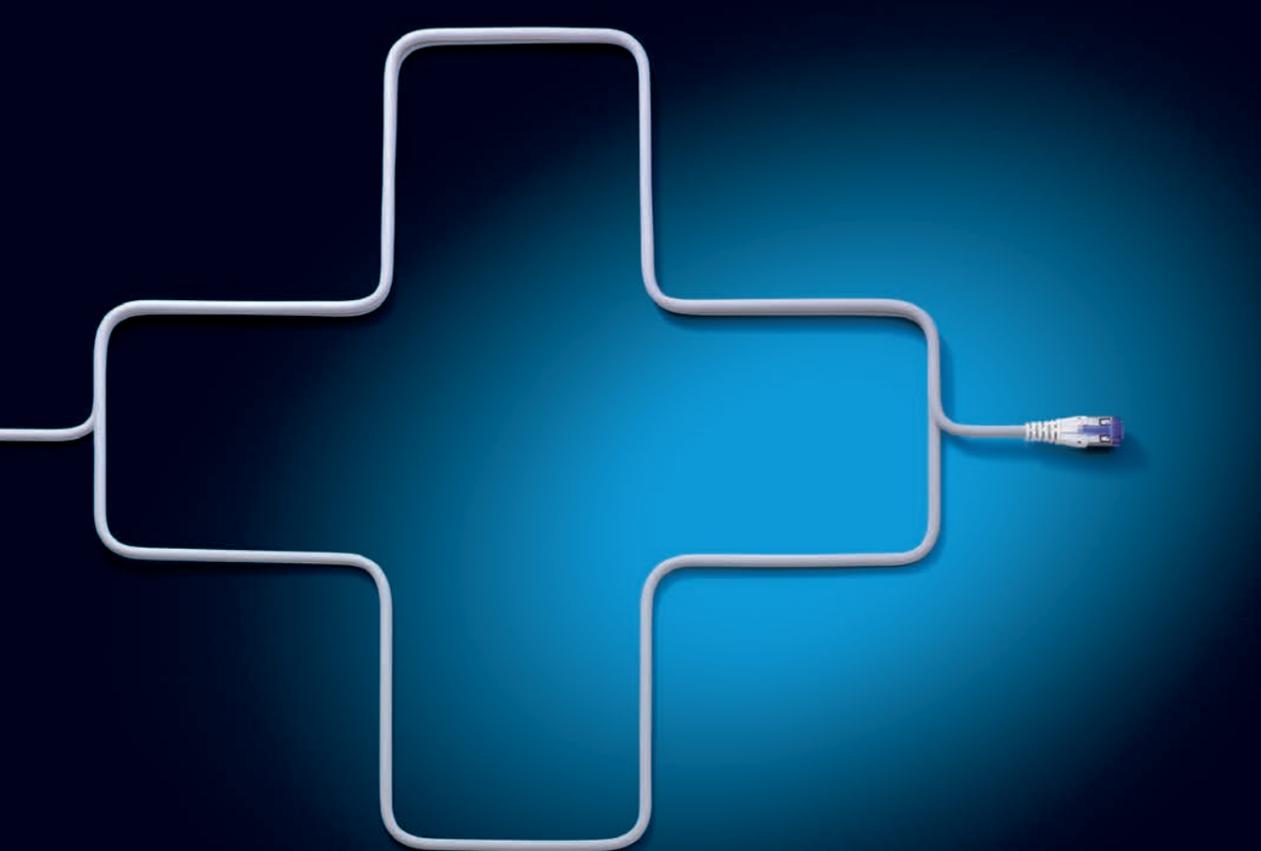
100	R304376
100	R304375
100	R802159
100	R802160



- Connector SC-RJ PC,**
Locking type push-pull. Injection-molded PBT housing, UL 94 V-0 (flammability index).
Supplied:
– Inner and outer connector housings
– 2 Ferrule holders incl. ferrules
SM, blue, 125.5 (+1/-0) μm
MM, beige, 127.0 (+3/-0) μm
MM, black, 144.0 (+4/-0) μm
MM, black, 232.0 (+2/-0) μm

50	R802165
50	R802162
50	R802163
50	R802164

Ordering Information	Description	MOQ	Part Number
 <p>090.2452</p>	<p>Connector IP67, type 06, black, SC-RJ PC, SM, black, Connector set with SC-RJ PC plug und housing IP67, type 06. Plug color: black. Fiber: SM G.652.D (OS1, OS2). Ferrule: inner Ø 126 µm, tol. +1µm/0. Supplied: – SC interior housing incl. ferrule pre assembled – SC-RJ connector housing – Housing IP67, type 06, black – Instruction manual 126.0 (+1/-0) µm</p> <p>i Different cable Ø and type on request.</p>	50	R315009



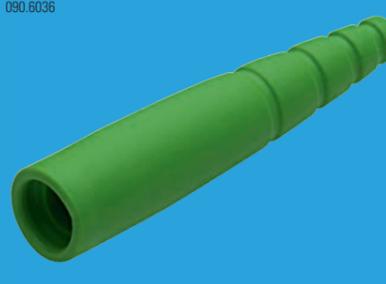
SWISSN=SS

GET MORE. Top quality for your investments. Thanks to the proverbial Swiss safety-first approach.



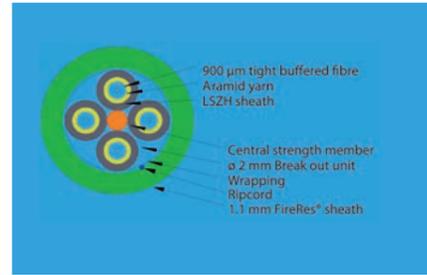
Features

- Wide range of cables and fiber diameters
- Fulfills side load test up to 8.9 N
- Fulfills flexing test
- Excellent torsional stability
- Available in different colors

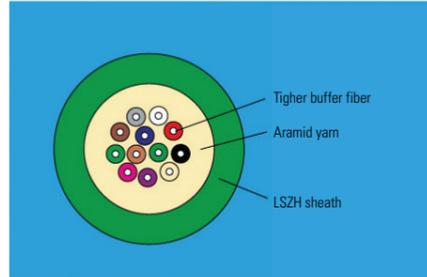
Ordering Information	Description	MOQ	Part Number
 <p>090.6036</p>	<p>Crimp Set E-2000™ / SC, 0.9 mm tube, Colored connector boot. For tubes from Ø 0.6 - 1.2 mm. Material boot: TPE, self extinguishing, free of halogen.</p>		
	green	100	R504126
	blue	100	R504441
	red	100	R504066
	black	100	R504383
	orange	100	R504425
	gray	100	R504444
	turquoise	100	R504448
	pink	100	R504453
	brown	100	R504456
	violet	100	R503133
	white	100	R504071
	beige	100	R502985
	yellow	100	R504063
 <p>090.6037</p>	<p>Crimp Set all Types E-2000™ / LC / SC, 2.2 mm cable, Crimp sleeve and colored connector boot. For cables from Ø 1.8 - 2.2 mm. Material sleeve: aluminum. Material boot: TPE, self extinguishing, free of halogen.</p>		
	green	100	R504270
	blue	100	R504361
	red	100	R504304
	black	100	R504374
	orange	100	R504303
	gray	100	R504362
	turquoise	100	R504272
	pink	100	R504376
	brown	100	R504377
	violet	100	R504382
	white	100	R504348
	beige	100	R504022
	yellow	100	R504301
 <p>090.6518</p>	<p>Crimp Set LC, 0.9 mm tube, Colored connector boot. For tubes from Ø 0.6 - 1.2 mm. Material boot: TPE, self extinguishing, free of halogen.</p>		
	green	100	R802932
	blue	100	R802933
	red	100	R802936
	black	100	R802931
	orange	100	R802940
	gray	100	R802937
	turquoise	100	R802943
	pink	100	R802941
	brown	100	R802938
	violet	100	R802942
	white	100	R802935
	beige	100	R802934
	yellow	100	R802939

**Installation Cables
Fiber-optic**

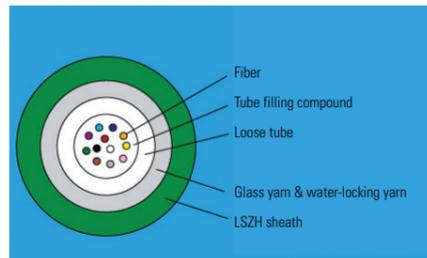
كابات توصيل
ألياف ضوئية



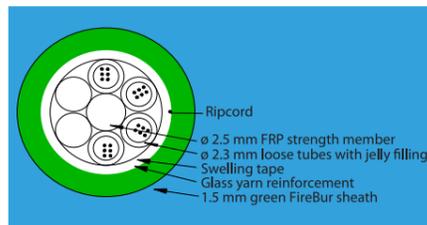
Breakout Cables / Indoor / LSZH				
Fiber count	OM2	OM3	OM4	OS2 (G 652.D)
2	R314465	R314472	-----	R314479
4	R304466	R314473	-----	R314480
6	R314467	R314474	-----	R314481
8	R314240	R314241	R512701	R314248
12	R314243	R341244	R512702	R314249
16	R314470	R314477	-----	R314484
24	R314246	R314247	R512703	R314250



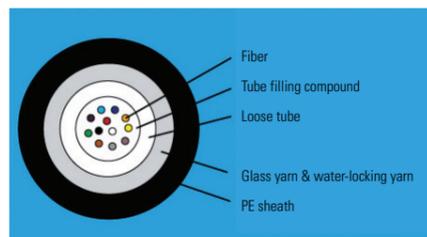
Mini Breakout Cables / Indoor / LSZH					
Fiber count	OM2	OM3	OM4	OS2 (G 652.D)	OS2 (G 657.A2)
2	R314488	R314490		R314492	
4	R304073	R308315	R512704	R304135	R512709
6	R304074	R308316	R512705	R304136	R512710
8	R304075	R308313	R512706	R304137	R512711
12	R304076	R308318	R512707	R304138	R512712
24	R304078	R308317	R512708	R304140	R512713



Central Loose Tube Cables / Indoor/Outdoor / LSZH				
Fiber count	OM2	OM3	OM4	OS2 (G 652.D)
4	R304088	R308217	R512391	R304143
6	R304089	R308310	R512392	R304145
8	R304090	R308218	R512393	R304146
12	R304091	R308214	R512394	R304147
24	R304092	R308215	R512395	R304148



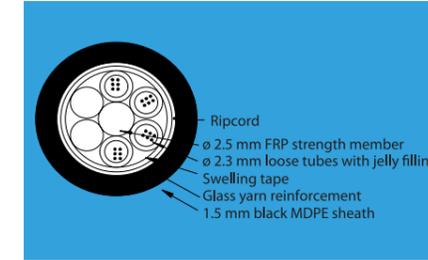
Stranded Loose Tube Cables Indoor / Outdoor / LSZH				
Fiber count	OM2	OM3	OM4	OS2 (G 652.D)
1x12	R314501	R314507	R807379	R314513
2x12	R314502	R314508	R807380	R314514
4x12	R314503	R314509	R807381	R314515
6x12	R314504	R314510	R807382	R314516
8x12	R314505	R314511	R807383	R314517
12x12	R314506	R314512	R807384	R314518



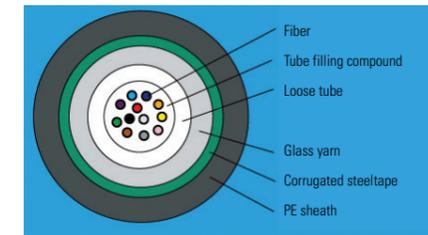
Central Loose Tube Cables / Outdoor / PE				
Fiber count	OM2	OM3	OM4	OS2 (G 652.D)
4	R314521	R314523	R512396	R314525
6	R312791	R312792	R512397	R312797
8	R314522	R314524	R512398	R314526
12	R304150	R311387	R512399	R304156
24	R304151	R311388	R512400	R304157

**Installation Cables
Fiber-optic**

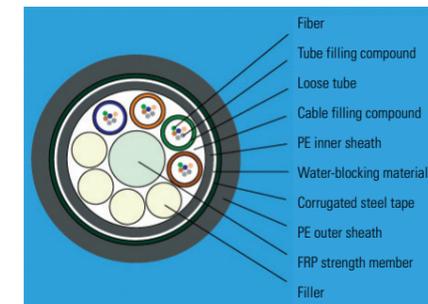
كابات توصيل
ألياف ضوئية



Central Loose Tube Cables / Outdoor / PE / Corrugated Steel Armour				
Fiber count	OM2	OM3	OM4	OS2 (G 652.D)
1X12	R314532	R314537	R807385	R314542
2X12	R314533	R314538	R807386	R314451
4X12	R304152	R311389	R807387	R304158
6X12	R314534	R314539	R807388	R314452
8X12	R314535	R314540	R807389	R314453
12X12	R314536	R314541	R807390	R314454



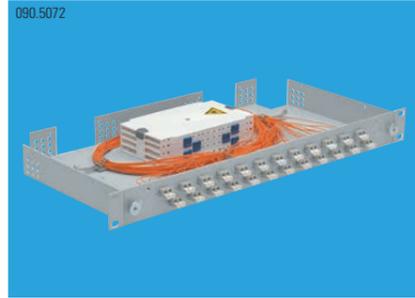
Central Loose Tube Cables / Outdoor / PE / Corrugated Steel Armour				
Fiber count	OM2	OM3	OM4	OS2 (G 652.D)
6	R312795	R312794		R312793
8	R314456	R314457		R314543
12	R304210	R311390		R304216
24	R304211	R311391		R304217



Stranded Loose Tube Cables / Outdoor / PE / Corrugated Steel Armour				
Fiber count	OM2	OM3	OM4	OS2 (G 652.D)
1x12	R314548	R314552		R314556
2x12	R314549	R314553		R314557
4x12	R304212	R311392		R304218
6x12	R314550	R314554		R314558
8x12	R314551	R314555		R314559

Patch Panels
19" SpliceBox

090.5072



Features

- Up to 48 connectors on one height unit (1U)
- Little mounting depth of 230 mm
- Cable entry from the rear or from the side
- Loose tube and pigtail reserve within splice box
- Labeled front panel

- i** – APC versions by default according DIN VDE 0888 color coding.
- Other configurations on request.

Ordering Information

090.5072



19" 1U SpliceBox 12xLC-Duplex

Front panel with staggered arrangement of adapters.

Supplied:

- 19" 1U splice box, with 2 splice trays radius 30 mm, fastening material and installation instructions
- Front panel equipped with adapters and pigtails

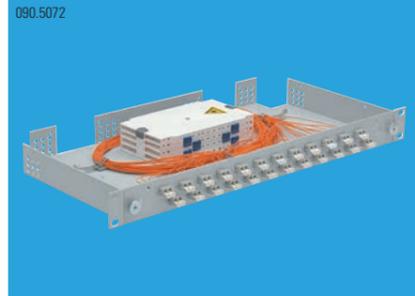
OM3, PC, PhBr, Bm/3

1

R502608

- i** Without cover for 19" 1U SpliceBox / BreakoutBox (R306775).

090.5072



19" 1U SpliceBox 24xLC-Duplex

Front panel with staggered arrangement of adapters.

Supplied:

- 19" 1U splice box, with 4 splice trays radius 30 mm, fastening material and installation instructions
- Front panel equipped with adapters and pigtails

G.652.D, APC, ceramic, C/1

1

R804625

G.652.D, PC, ceramic, C/2

1

R804623

OM4, PC, ceramic, Bm/3

1

R804619

OM3, PC, ceramic, Bm/3

1

R804621

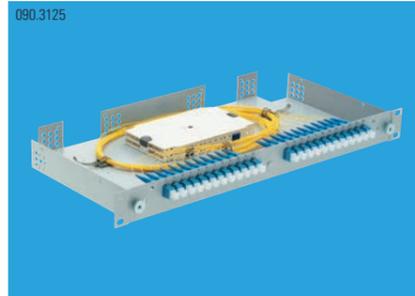
OM3, PC, PhBr, Bm/3

1

R502611

- i** Without cover for 19" 1U SpliceBox / BreakoutBox (R306775).

090.3125



19" 1U SpliceBox 24xSC

Supplied:

- 19" 1U splice box, with 2 splice trays radius 30 mm, fastening material and installation instructions
- Front panel equipped with adapters and pigtails

G.652.D, PC, PhBr, D/3

1

R306889

- i** Without cover for 19" 1U SpliceBox / BreakoutBox (R306775).

لوحات التجميع
لوحات التجميع عرض 19 بوصة SpliceBox

Patch Panels
19" SpliceBox

090.3126



Description

19" 1U SpliceBox 12xSC-Duplex

Supplied:

- 19" 1U splice box, with 2 splice trays radius 30 mm, fastening material and installation instructions
- Front panel equipped with adapters and pigtails

G.652.D, PC, ceramic, C/2

1

R306892

OM3, PC, PhBr, Bm/3

1

R308064

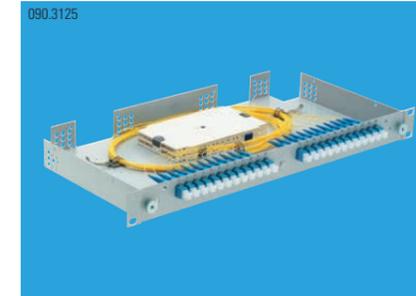
OM2, PC, PhBr, Bm/3

1

R306894

- i** Without cover for 19" 1U SpliceBox / BreakoutBox (R306775).

090.3125



19" 1U SpliceBox 24xSC-Duplex

Supplied:

- 19" 1U splice box, with 4 splice trays radius 30 mm, fastening material and installation instructions
- Front panel equipped with adapters and pigtails

G.652.D, APC, ceramic, C/1

1

R804626

G.652.D, PC, ceramic, C/2

1

R804624

OM4, PC, ceramic, Bm/3

1

R804620

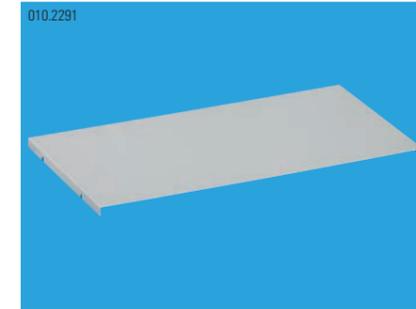
OM3, PC, ceramic, Bm/3

1

R804622

- i** Without cover for 19" 1U SpliceBox / BreakoutBox (R306775).

010.2291



19" 1U SpliceBox / BreakoutBox, cover

– Protection against external mechanical factors.

– Opened and closed with a screwdriver.

– Color: medium gray (NCS 2502-B)

Supplied:

– Cover (sheet steel)

– 4 screws M4x8 mm

1

R306775

Patch Panels
19" UniRack



Features

- Up to 48 connectors on one height unit (1U)
- Up to 96 connectors (LC pigtailed) on two height unit (2U)
- Simple patch panel mounting and dismounting for splicing
- Little mounting depth of 230 mm
- Universally compatible (e.g. ETSI standard compliant)
- Cable entry from the rear or from the side

- i**
- Loose tubes of a diameter above 3.5 mm can cause mounting problems.
 - APC versions by default according DIN VDE 0888 color coding. FC excluded.
 - Other configurations on request.

Ordering Information



19" 1U UniRack 12xLC-Duplex

Front panel with staggered arrangement of adapters.

Supplied:

- 19" 1U slide-in unit, splice tray plate with 2 splice trays radius 40 mm, fastening material, labeling strips and installation manual
- Front panel equipped with adapters and pigtailed

OM3, PC, PhBr, Bm/3

MOQ

1

Part Number

R505557



19" 1U UniRack 12xLC-Duplex

Supplied:

- 19" 1U slide-in unit, splice tray plate with 2 splice trays radius 40 mm, fastening material, labeling strips and installation manual
- Front panel equipped with adapters and pigtailed

G.652.D, APC, ceramic, C/1

G.652.D, PC, ceramic, C/2

OM3, PC, PhBr, Bm/3

OM2, PC, PhBr, Bm/3

1

1

1

1

R308511

R308509

R308517

R308515



19" 1U UniRack 24xLC-Duplex

Front panel with staggered arrangement of adapters.

Supplied:

- 19" 1U slide-in unit, splice tray plate with 2 splice trays radius 40 mm, fastening material, labeling strips and installation manual
- Front panel equipped with adapters and pigtailed

G.652.D, APC, ceramic, C/1

G.652.D, PC, ceramic, C/2

OM4, PC, ceramic, Bm/3

OM3, PC, ceramic, Bm/3

OM3, PC, PhBr, Bm/3

1

1

1

1

1

R505558

R804733

R804731

R804723

R507184

لوحات التجميع
لوحات التجميع عرض 19 بوصة UniRack

Patch Panels
19" UniRack

لوحات التجميع
لوحات التجميع عرض 19 بوصة UniRack

Ordering Information

Description

MOQ

Part Number



19" 1U UniRack 12xSC

Supplied:

- 19" 1U slide-in unit, splice tray plate with 2 splice trays radius 40 mm, fastening material, labeling strips and installation manual
- Front panel equipped with adapters and pigtailed

G.652.D, PC, ceramic, C/2

1

R303512



19" 1U UniRack 24xSC

Supplied:

- 19" 1U slide-in unit, splice tray plate with 2 splice trays radius 40 mm, fastening material, labeling strips and installation manual
- Front panel equipped with adapters and pigtailed

G.652.D, APC, ceramic, B/1

G.652.D, APC, ceramic, C/1

G.652.D, PC, ceramic, C/2

1

1

1

R801640

R301990

R301989



19" 1U UniRack 36xSC

Supplied:

- 19" 1U slide-in unit, splice tray plate with 2 splice trays radius 40 mm, fastening material, labeling strips and installation manual
- Front panel equipped with adapters and pigtailed

G.652.D, APC, ceramic, B/1

G.652.D, APC, ceramic, C/1

G.652.D, PC, ceramic, C/2

OM4, PC, ceramic, Bm/3

OM3, PC, ceramic, Bm/3

1

1

1

1

1

R804779

R804780

R804781

R804782

R804783



19" 1U UniRack 6xSC-Duplex

Supplied:

- 19" 1U slide-in unit, splice tray plate with 2 splice trays radius 40 mm, fastening material, labeling strips and installation manual
- Front panel equipped with adapters and pigtailed

OM3, PC, PhBr, Bm/3

OM2, PC, PhBr, Bm/3

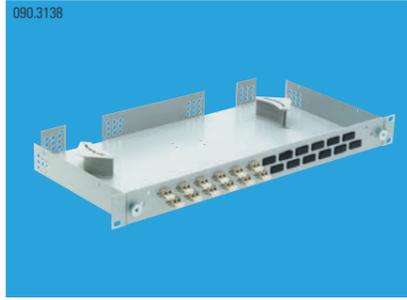
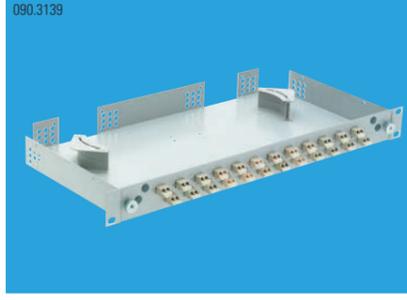
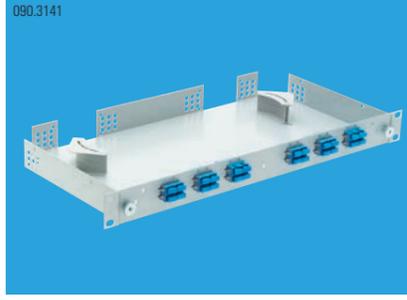
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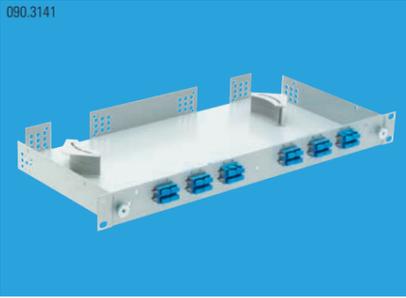
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R308496

R308494

Ordering Information	Description	MOQ	Part Number
090.3145 	19" 1U UniRack 12xSC-Duplex Supplied: – 19" 1U slide-in unit, splice tray plate with 2 splice trays radius 40 mm, fastening material, labeling strips and installation manual – Front panel equipped with adapters and pigtails	1	R303009
	G.652.D, PC, ceramic, C/2	1	R804691
	OM4, PC, ceramic, Bm/3	1	R804690
	OM3, PC, PhBr, Bm/3	1	R308066
	OM2, PC, PhBr, Bm/3	1	R308495
	OM1, PC, PhBr, Bm/3	1	R308493
090.3145 	19" 1U UniRack 24xSC-Duplex Supplied: – 19" 1U slide-in unit, splice tray plate with 2 splice trays radius 40 mm, fastening material, labeling strips and installation manual – Front panel equipped with adapters and pigtails	1	R804773
	G.652.D, APC, ceramic, C/1	1	R804774
	G.652.D, PC, ceramic, C/2	1	R804775
	OM4, PC, ceramic, Bm/3	1	R804630
	OM3, PC, ceramic, Bm/3	1	R804630
010.2799 	19" 1U UniRack 12xSC-RJ Supplied: – 19" 1U slide-in unit, splice tray plate with 2 splice trays radius 40 mm, fastening material, labeling strips and installation manual – Front panel equipped with adapters and pigtails	1	R308067
	OM3, PC, PhBr, Bm/3 OM2, PC, PhBr, Bm/3	1	R308486

Ordering Information	Description	MOQ	Part Number	
090.6537 	Features – Up to 24 adapters on one height unit (1U) – Little mounting depth of 230 mm – Cable entry from the rear or from the side – Fastening options for cabling systems – No front-side drawer (fixed rack)			
	i Other configurations on request.			
090.3138 	19" 1U BreakoutBox 12xLC-Duplex Front panel with staggered arrangement of adapters. Supplied: – 19" 1U breakout box, fastening material and installation instructions – Front panel equipped with adapters	1	R314347	
	multimode, PC, PhBr			
	i Without cover for 19" 1U SpliceBox / BreakoutBox (R306775).			
	090.3139 	19" 1U BreakoutBox 24xLC-Duplex Front panel with staggered arrangement of adapters. Supplied: – 19" 1U breakout box, fastening material and installation instructions – Front panel equipped with adapters		
		singlemode, PC, ceramic	1	R805766
OM3/OM4, PC, ceramic		1	R804726	
	multimode, PC, PhBr	1	R501587	
	i Without cover for 19" 1U SpliceBox / BreakoutBox (R306775).			
090.3124 	19" 1U BreakoutBox 24xSC Supplied: – 19" 1U breakout box, fastening material and installation instructions – Front panel equipped with adapters	1	R306875	
	multimode, PC, PhBr			
	i Without cover for 19" 1U SpliceBox / BreakoutBox (R306775).			
090.3141 	19" 1U BreakoutBox 12xSC-Duplex Supplied: – 19" 1U breakout box, fastening material and installation instructions – Front panel equipped with adapters	1	R306876	
	multimode, PC, PhBr			
	i Without cover for 19" 1U SpliceBox / BreakoutBox (R306775).			

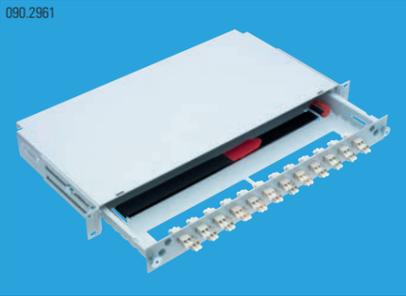
Ordering Information	Description	MOQ	Part Number
	19" 1U BreakoutBox 24xSC-Duplex Supplied: – 19" 1U breakout box, fastening material and installation instructions – Front panel equipped with adapters	1	R805765
		1	R805764
		1	R805763
		Without cover for 19" 1U SplineBox / BreakoutBox (R306775).	
	19" 1U BreakoutBox 12xSC-RJ Supplied: – 19" 1U breakout box, fastening material and installation instructions – Front panel equipped with adapters	1	R805772
		1	R805771
		1	R805770
		1	R308508
		Without cover for 19" 1U SplineBox / BreakoutBox (R306775).	

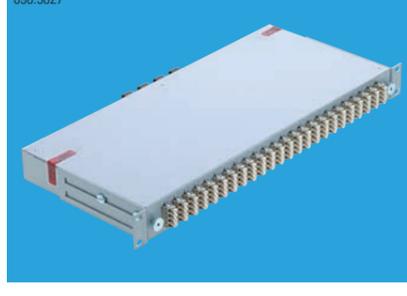
Ordering Information	Description	MOQ	Part Number
	19" 1U FibereasyRack 12xLC-Duplex Safe cable fixation inside of the Rack. Easy patch cord handling through the connector arrangement. Supplied: – 19" 1U slide-in unit, fastening material, labeling strips and installation instructions – One 2 x 15 mm radius guards – Fastening strap for safe cable fixation – Front panel equipped with adapters	1	R316753
		1	R501578
	19" 1U FibereasyRack 12xSC-RJ Supplied: – 19" 1U slide-in unit, fastening material, labeling strips and installation instructions – Three 2 x 15 mm radius guards – Front panel equipped with adapters	1	R308500
		Without cover for 19" 1U SplineBox / BreakoutBox (R306775).	
	19" 1U FibereasyRack 12xLC-Duplex Supplied: – 19" 1U slide-in unit, fastening material, labeling strips and installation instructions – Three 2 x 15 mm radius guards – Front panel equipped with adapters	1	R805934
		Without cover for 19" 1U SplineBox / BreakoutBox (R306775).	

Features

- Up to 24 adapters on one height unit (1U)
- Simple patch panel mounting and dismounting
- Little mounting depth of 230 mm
- Universally compatible (e.g. ETSI standard compliant)
- Cable entry from the rear or from the side

Adapters 100% tested and supplied with test report.

Ordering Information	Description	MOQ	Part Number
	<p>19" 1U FibereasyRack 24xLC-Duplex Safe cable fixation inside of the Rack. Front panel with staggered arrangement of adapters. Easy patch cord handling through the connector arrangement. Supplied: – 19" 1U slide-in unit, fastening material, labeling strips and installation instructions – One 2 x 15 mm radius guards – Fastening strap for safe cable fixation – Front panel equipped with adapters multimode, PC, PhBr</p>	1	R320078
	<p>19" 1U FibereasyRack 6xLC-Duplex Safe cable fixation inside of the Rack. Easy patch cord handling through the connector arrangement. Supplied: – 19" 1U slide-in unit, fastening material, labeling strips and installation instructions – One 2 x 15 mm radius guards – Fastening strap for safe cable fixation – Front panel equipped with adapters multimode, PC, PhBr</p>	1	R309618
	<p>19" 1U FibereasyRack 24xSC Supplied: – 19" 1U slide-in unit, fastening material, labeling strips and installation instructions – Three 2 x 15 mm radius guards – Front panel equipped with adapters singlemode, PC, ceramic</p>	1	R304360
	<p>19" 1U FibereasyRack 12xSC-Duplex Supplied: – 19" 1U slide-in unit, fastening material, labeling strips and installation instructions – Three 2 x 15 mm radius guards – Front panel equipped with adapters singlemode, PC, ceramic multimode, PC, ceramic multimode, PC, PhBr</p>	1 1 1	R30692-12 R804730 R308501

Ordering Information	Description	MOQ	Part Number
	<p>Features – Easy handling (plug and play) – Integrated bending radius limiter – High packing density, up to 96 connectors per 1U patch panel – Little mounting depth of 230 mm – Universally compatible (e.g. ETSI standard compliant)</p> <p>i Other combinations available on request.</p>		
	<p>19" 1U MPO Panel, 8xMTP12-male - 24xLC-Quad, Connectivity method: type A. Polishing connector MTP: APC. Polishing connector LC: APC. G.652.D, APC/APC, type A, gray</p>	1	R510862
	<p>19" 1U MPO Panel, 8xMTP12-male - 24xLC-Quad, Connectivity method: type A. Polishing connector MTP: PC. Polishing connector LC: PC. OM3, PC/PC, type A, gray</p>	1	R510856
	<p>19" 1U MPO Panel, 8xMTP12-male - 24xLC-Quad, G.652.D, Connectivity method: type A. Polishing connector MTP: APC. Polishing connector LC: APC. APC/APC, type A, black</p>	1	R510863
	<p>19" 1U MPO Panel, 8xMTP12-male - 24xLC-Quad, Connectivity method: type A. Polishing connector MTP: PC. Polishing connector LC: PC. OM3, PC/PC, type A, black</p>	1	R510857

Patch Panels
FiberModul 7HP with Metal Front Plate
Splice and breakout

090.2778



Features

- Up to 12 plugged connections on 7HP
- Guaranteed bending radius of 35 mm
- Pre-numbered front plates, extra labeling field
- Easy detachable metal front panels
- Choice of cable entry of 45° or 90°
- Hold-down cross protecting the fibers
- Up to 144 fibers per 19" 3U Global patch panel

i Adapters are color-coded
(singlemode APC = green, singlemode PC = blue; multimode = beige;
Exceptions: ST and FC = metal and SC-RJ = black)

Ordering Information	Description	MOQ	Part Number
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090.2920

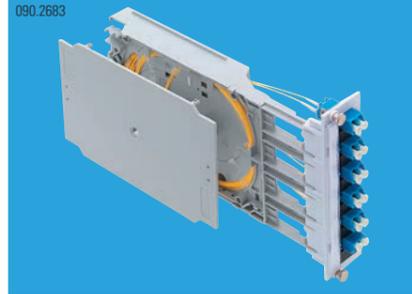


FiberModul 7HP, metal, splice, 12xSC

- Supplied:
- Slide-in unit, splice tray radius 35 mm, fastening material, labeling strips and installation instructions
 - Metal front panel equipped with 12xSC adapters, pigtails inserted and ready for splicing

G.652.D, APC, ceramic, C/1	1	R318554
G.652.D, PC, ceramic, C/2	1	R318553
G.652.D, PC, PhBr, D/3	1	R318936
OM3, PC, ceramic, Bm/3	1	R318825
OM2, PC, ceramic, Bm/3	1	R318826
OM1, PC, ceramic, Bm/3	1	R318824
OM3, PC, PhBr, Bm/3	1	R318823
OM2, PC, PhBr, Bm/3	1	R318822
OM1, PC, PhBr, Bm/3	1	R318821

090.2683

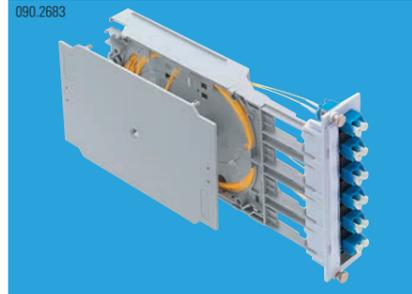


FiberModul 7HP, metal, splice, 6xLC-Duplex

- Supplied:
- Slide-in unit, splice tray radius 35 mm, fastening material, labeling strips and installation instructions
 - Metal front panel equipped with 6xLC-Duplex adapters, pigtails inserted and ready for splicing

G.652.D, PC, ceramic, C/2	1	R318948
G.652.D, PC, PhBr, D/3	1	R318938
OM4, PC, ceramic, Bm/3	1	R513583
OM3, PC, ceramic, Bm/3	1	R805975
OM3, PC, PhBr, Bm/3	1	R318835
OM2, PC, PhBr, Bm/3	1	R318834
OM1, PC, PhBr, Bm/3	1	R318833

090.2683



FiberModul 7HP, metal, splice, 6xLC-Duplex

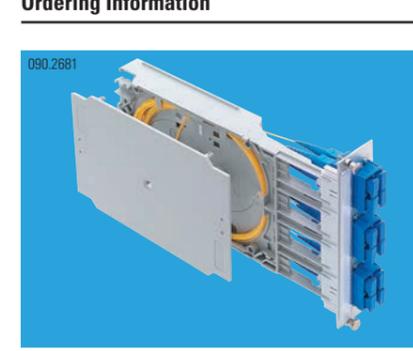
- Color metal front plate: black (RAL 9005).
Supplied:
- Slide-in unit, splice tray radius 35 mm, fastening material, labeling strips and installation instructions
 - Metal front panel equipped with 6xLC-Duplex adapters, pigtails inserted and ready for splicing

OM4, PC, ceramic, Bm/3, black	1	R513582
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لوحات التجميع
FiberModul
بلوحة معدنية
Splice and breakout

Patch Panels
FiberModul 7HP with Metal Front Plate
Splice and breakout

Ordering Information



Description

FiberModul 7HP, metal, splice, 6xSC-Duplex

- Supplied:
- Slide-in unit, splice tray radius 35 mm, fastening material, labeling strips and installation instructions
 - Metal front panel equipped with 6xSC-Duplex adapters, pigtails inserted and ready for splicing

Description	MOQ	Part Number
G.652.D, APC, ceramic, C/1	1	R318959
G.652.D, PC, ceramic, C/2	1	R318950
G.652.D, PC, PhBr, D/3	1	R318940
OM4, PC, ceramic, Bm/3	1	R805977
OM3, PC, ceramic, Bm/3	1	R318853
OM2, PC, ceramic, Bm/3	1	R318852
OM1, PC, ceramic, Bm/3	1	R318851
OM3, PC, PhBr, Bm/3	1	R318850
OM2, PC, PhBr, Bm/3	1	R318849
OM1, PC, PhBr, Bm/3	1	R318848

090.2919

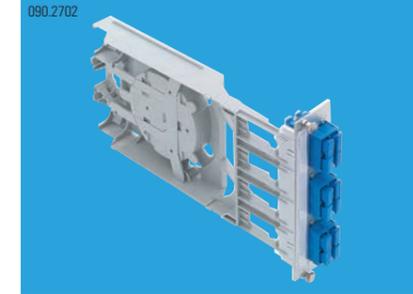


FiberModul 7HP, metal, splice, 6xSC-RJ

- Supplied:
- Slide-in unit, splice tray radius 35 mm, fastening material, labeling strips and installation instructions
 - Metal front panel equipped with 6xSC-RJ adapters, pigtails inserted and ready for splicing

OM3, PC, ceramic, Bm/3	1	R318844
OM2, PC, ceramic, Bm/3	1	R318843
OM1, PC, ceramic, Bm/3	1	R318842
OM3, PC, PhBr, Bm/3	1	R318847
OM2, PC, PhBr, Bm/3	1	R318846
OM1, PC, PhBr, Bm/3	1	R318845

090.2702

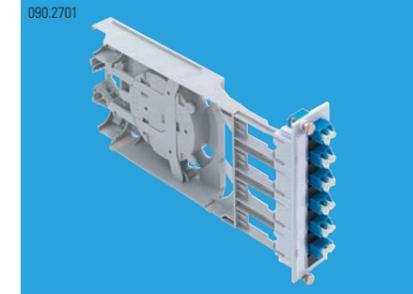


FiberModul 7HP, metal, breakout, 12xSC

- Supplied:
- Slide-in unit, fastening material, labeling strips and installation instructions
 - Metal front panel equipped with 12xSC adapters

singlemode, PC, ceramic	1	R318970
singlemode, PC, PhBr	1	R318969
multimode, PC, PhBr	1	R318861

090.2701



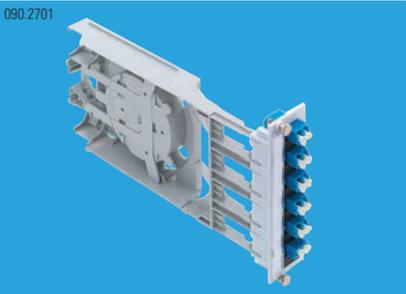
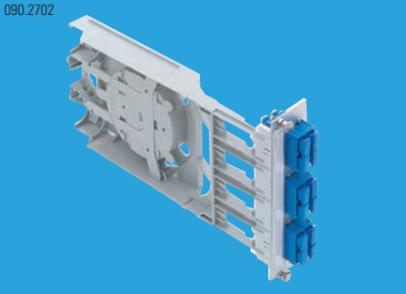
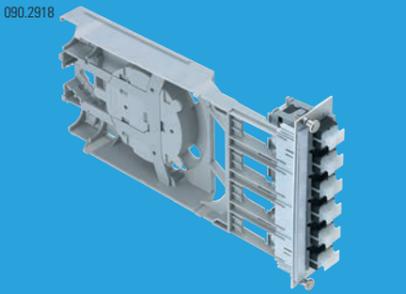
FiberModul 7HP, metal, breakout, 6xLC-Duplex

- Supplied:
- Slide-in unit, fastening material, labeling strips and installation instructions
 - Metal front panel equipped with 6xLC-Duplex adapters

singlemode, PC, ceramic	1	R318976
singlemode, PC, PhBr	1	R318975
multimode, PC, PhBr	1	R318864

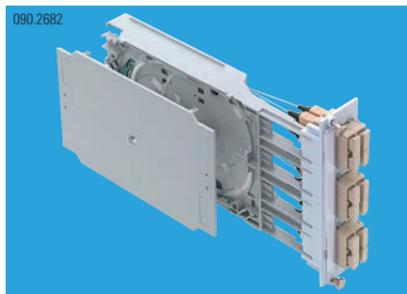
Patch Panels
FiberModul 7HP with Metal Front Plate
Splice and breakout

لوحات التجميع
FiberModul
 بلوحة معدنية
Splice and breakout

Ordering Information	Description	MOQ	Part Number
090.2701 	FiberModul 7HP, metal, breakout, 6xLC-Duplex Color metal front plate: black (RAL 9005). Supplied: – Slide-in unit, fastening material, labeling strips and installation instructions – Metal front panel equipped with 6xLC-Duplex adapters	1	R513579
	multimode, PC, ceramic, black		
090.2702 	FiberModul 7HP, metal, breakout, 6xSC-Duplex Supplied: – Slide-in unit, fastening material, labeling strips and installation instructions – Metal front panel equipped with 6xSC-Duplex adapters	1	R318983
	singlemode, APC, ceramic	1	R318982
	singlemode, PC, ceramic	1	R318981
	singlemode, PC, PhBr	1	R318874
	multimode, PC, ceramic	1	R318873
	multimode, PC, PhBr		
090.2918 	FiberModul 7HP, metal, breakout, 6xSC-RJ Supplied: – Slide-in unit, fastening material, labeling strips and installation instructions – Metal front panel equipped with 6xSC-RJ adapters	1	R318871
	multimode, PC, ceramic	1	R318872
	multimode, PC, PhBr		

Patch Panels
FiberModul 7HP with Plastic Front Plate
Splice and breakout

لوحات التجميع
FiberModul
 بلوحة بلاستيكية
Splice and breakout

Ordering Information	Description	MOQ	Part Number
090.2683 	FiberModul 7HP, plastic, splice, 12xSC Supplied: – Slide-in unit, splice tray radius 35 mm, fastening material, labeling strips and installation instructions – Plastic front panel equipped with 12xSC adapters, pigtails inserted and ready for splicing		
	G.652.D, PC, ceramic, C/2	1	R318951
	G.652.D, PC, PhBr, D/3	1	R318942
	OM3, PC, ceramic, Bm/3	1	R318886
	OM2, PC, ceramic, Bm/3	1	R318885
	OM1, PC, ceramic, Bm/3	1	R318884
	OM3, PC, PhBr, Bm/3	1	R318883
	OM2, PC, PhBr, Bm/3	1	R318882
	OM1, PC, PhBr, Bm/3	1	R318881
090.2683 	FiberModul 7HP, plastic, splice, 6xLC-Duplex Supplied: – Slide-in unit, splice tray radius 35 mm, fastening material, labeling strips and installation instructions – Plastic front panel equipped with 6xLC-Duplex adapters, pigtails inserted and ready for splicing		
	G.652.D, PC, ceramic, C/2	1	R318953
	G.652.D, PC, PhBr, D/3	1	R318944
	OM3, PC, PhBr, Bm/3	1	R318555
	OM2, PC, PhBr, Bm/3	1	R318891
	FiberModul 7HP, plastic, splice, 6xLC-Duplex OM1, PC, PhBr, Bm/3	1	R318890
090.2682 	FiberModul 7HP, plastic, splice, 6xSC-Duplex Supplied: – Slide-in unit, splice tray radius 35 mm, fastening material, labeling strips and installation instructions – Plastic front panel equipped with 6xSC-Duplex adapters, pigtails inserted and ready for splicing		
	G.652.D, PC, ceramic, C/2	1	R318955
	G.652.D, PC, PhBr, D/3	1	R318946
	OM3, PC, ceramic, Bm/3	1	R318900
	OM2, PC, ceramic, Bm/3	1	R318899
	OM1, PC, ceramic, Bm/3	1	R318898
	OM3, PC, PhBr, Bm/3	1	R318343
	OM2, PC, PhBr, Bm/3	1	R318342
	OM1, PC, PhBr, Bm/3	1	R318285

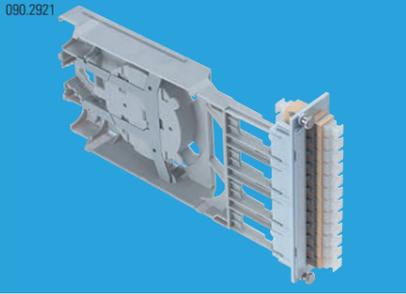
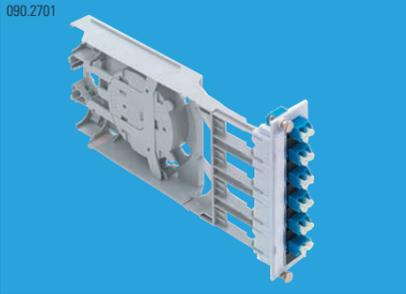
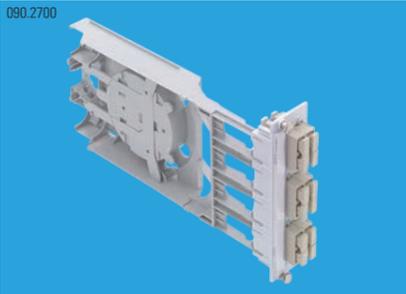
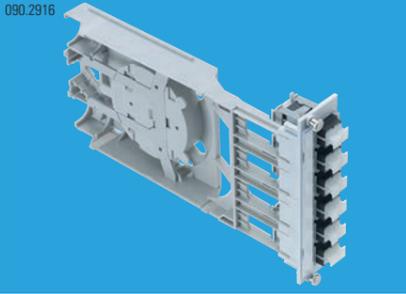
Features

- Up to 12 plugged connections on 7HP
- Guaranteed bending radius of 35 mm
- Pre-numbered front plates, extra labeling field
- Easy detachable plastic front panels
- Choice of cable entry of 45° or 90°
- Hold-down cross protecting the fibers
- Up to 144 fibers per 19" 3U Global patch panel

i Adapters are color-coded
 (singlemode APC = green, singlemode PC = blue; multimode = beige;
 Exceptions: ST and FC = metal and SC-RJ = black)

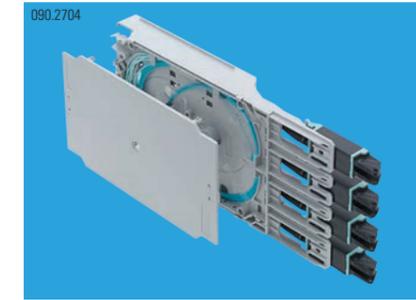
Patch Panels
FiberModul 7HP with Plastic Front Plate
Splice and breakout

لوحات التجميع
FiberModul
 بلوحة بلاستيكية
Splice and breakout

Ordering Information	Description	MOQ	Part Number
090.2921 	FiberModul 7HP, plastic, breakout, 12xSC Supplied: – Slide-in unit, fastening material, labeling strips and installation instructions – Plastic front panel equipped with 12xSC adapters		
	singlemode, PC, ceramic	1	R318988
	singlemode, PC, PhBr	1	R318987
	multimode, PC, ceramic	1	R318908
	multimode, PC, PhBr	1	R318907
090.2701 	FiberModul 7HP, plastic, breakout, 6xLC-Duplex Supplied: – Slide-in unit, fastening material, labeling strips and installation instructions – Plastic front panel equipped with 6xLC-Duplex adapters		
	singlemode, APC, ceramic	1	R318780
	singlemode, PC, ceramic	1	R318993
	singlemode, PC, PhBr	1	R318992
	multimode, PC, PhBr	1	R318771
090.2700 	FiberModul 7HP, plastic, breakout, 6xSC-Duplex Supplied: – Slide-in unit, fastening material, labeling strips and installation instructions – Plastic front panel equipped with 6xSC-Duplex adapters		
	singlemode, APC, ceramic	1	R318999
	singlemode, PC, ceramic	1	R318998
	singlemode, PC, PhBr	1	R318997
	multimode, PC, ceramic	1	R318914
	multimode, PC, PhBr	1	R318288
090.2916 	FiberModul 7HP, plastic, breakout, 6xSC-RJ Supplied: – Slide-in unit, fastening material, labeling strips and installation instructions – Plastic front panel equipped with 6xSC-RJ adapters		
	multimode, PC, ceramic	1	R318913
	multimode, PC, PhBr	1	R318287
090.2914 	FiberModul 7HP, plastic, splice, 6xSC-RJ Supplied: – Slide-in unit, splice tray radius 35 mm, fastening material, labeling strips and installation instructions – Plastic front panel equipped with 6xSC-RJ adapters, pigtails inserted and ready for splicing		
	OM3, PC, ceramic, Bm/3	1	R318897
	OM2, PC, ceramic, Bm/3	1	R318896
	OM1, PC, ceramic, Bm/3	1	R318895
	OM3, PC, PhBr, Bm/3	1	R318341
	OM2, PC, PhBr, Bm/3	1	R318340
	OM1, PC, PhBr, Bm/3	1	R318284

Patch Panels
FiberModul 1U
Splice and breakout

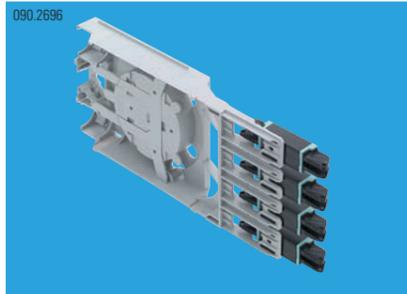
لوحات التجميع
FiberModul
 ارتفاع 1 وحدة
Splice and breakout



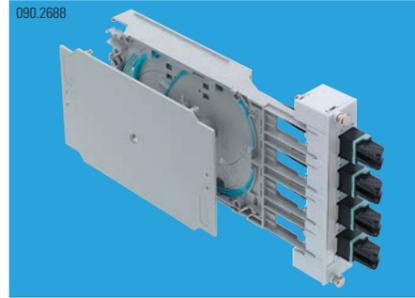
Features

- Up to 8 plugged connections
- Guaranteed bending radius of 35 mm
- Suitable for 19" 1U patch panel 16xRJ45, empty
- Expandable to Security System 1-3 thanks to Smartholes, incl. labeling field
- Choice of cable entry of 45° or 90°
- Hold-down cross protecting the fibers

i Adapters are color-coded
 (singlemode APC = green, singlemode PC = blue; multimode = beige;
 Exceptions: ST and FC = metal and SC-RJ = black)

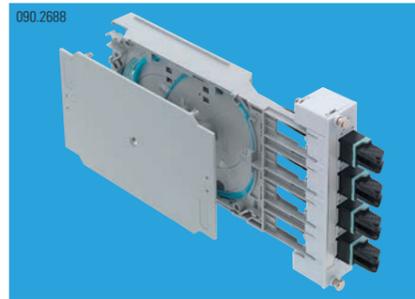
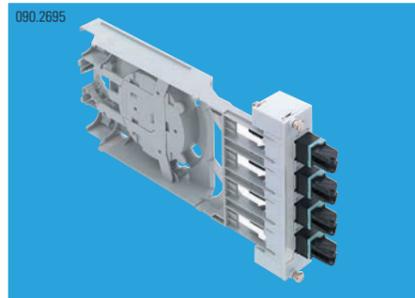
Ordering Information	Description	MOQ	Part Number
090.2704 	FiberModul 1U, splice, 4xSC-RJ Supplied: – Slide-in unit equipped with 4xSC-RJ adapters, pigtails inserted and ready for splicing, splice tray radius 35 mm and installation instructions		
	OM3, PC, ceramic, Bm/3	1	R319122
	OM2, PC, ceramic, Bm/3	1	R319121
	OM3, PC, PhBr, Bm/3	1	R319119
	OM2, PC, PhBr, Bm/3	1	R319118
090.2696 	FiberModul 1U, breakout, 4xSC-RJ Supplied: – Slide-in unit equipped with 4xSC-RJ adapters – Installation instructions		
	multimode, PC, ceramic	1	R319133
	multimode, PC, PhBr	1	R319132

Patch Panels
FiberModul 5.6HP with Smartholes
Splice and breakout



- Features**
- Up to 8 plugged connections on 5.6HP
 - Guaranteed bending radius of 35 mm
 - Expandable to Security System 1-3 thanks to Smartholes, incl. labeling field
 - Easily detachable plastic front panels
 - Choice of cable entry of 45° or 90°
 - Hold-down cross protecting the fibers
 - Up to 120 fibers per 19" 3U Global patch panel

i Adapters are color-coded
 (singlemode APC = green, singlemode PC = blue; multimode = beige;
 Exceptions: ST and FC = metal and SC-RJ = black)

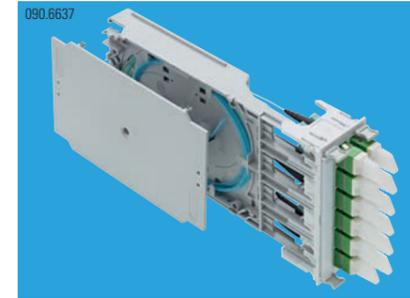
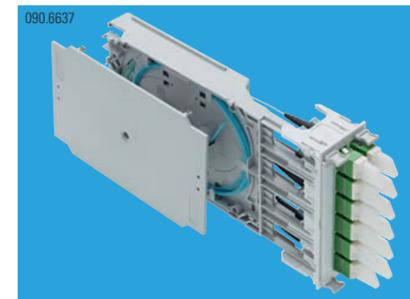
Ordering Information	Description	MOQ	Part Number
	FiberModul 5.6HP, splice, 4xSC-RJ Supplied: – Slide-in unit, splice tray radius 35 mm, fastening material, labeling strips and installation instructions – Plastic front panel featuring Smartholes and mounting adapter 3U Global, equipped with 4xSC-RJ adapters, pigtails inserted and ready for splicing		
	OM3, PC, ceramic, Bm/3	1	R318557
	OM2, PC, ceramic, Bm/3	1	R318918
	OM1, PC, ceramic, Bm/3	1	R318917
	OM3, PC, PhBr, Bm/3	1	R318349
	OM2, PC, PhBr, Bm/3	1	R318348
	OM1, PC, PhBr, Bm/3	1	R318291
	FiberModul 5.6HP, breakout, 4xSC-RJ Supplied: – Slide-in unit, fastening material, labeling strips and installation instructions – Plastic front panel featuring Smartholes and mounting adapter 3U Global, equipped with 4xSC-RJ adapters		
	multimode, PC, ceramic	1	R318923
	multimode, PC, PhBr	1	R318293

لوحات التجميع
FiberModul 5.6HP
Splice and breakout

Patch Panels
FiberModul HD
Splice and breakout

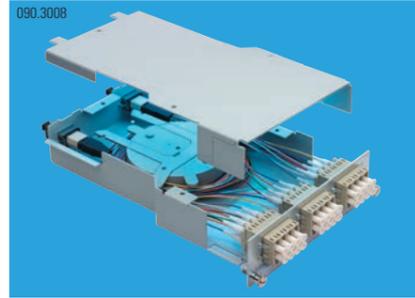


- Features**
- Up to 12 plugged connections
 - Guaranteed bending radius of 35 mm
 - Pre-numbered front plates, extra labeling field
 - Easy detachable plastic front panels
 - Choice of cable entry of 45° or 90°
 - Hold-down cross protecting the fibers
 - Up to 48 fibers per 19" 1U HD patch panel

Ordering Information	Description	MOQ	Part Number
	FiberModul HD, splice, Designed for 19" 1U HD patch panel. Supplied: – Slide-in unit, splice tray radius 35 mm, fastening material, labeling strips and installation instructions – Plastic front panel equipped with adapters, pigtails inserted and ready for splicing		
	6xLC-Duplex OM4, PC, ceramic, Bm/3	1	R515075
	12xSC G.652.D, APC, ceramic, C/1	1	R515076
	6xSC-Duplex G.652.D, APC, ceramic, C/1	1	R515077
	6xLC-Duplex OM4, PC, ceramic, Bm/3, black	1	R515083
	12xSC G.652.D, APC, ceramic, C/1, black	1	R515084
	6xSC-Duplex G.652.D, APC, ceramic, C/1, black	1	R515085
	FiberModul HD, breakout, Designed for 19" 1U HD patch panel. Supplied: – Slide-in unit, fastening material, labeling strips and installation instructions – Plastic front panel equipped with adapters		
	6xLC-Duplex singlemode, PC, ceramic	1	R808366
	6xLC-Duplex OM3/OM4, PC, ceramic	1	R515071
	12xSC singlemode, APC, ceramic	1	R515072
	6xSC-Duplex singlemode, APC, ceramic	1	R515073
	6xSC-Duplex singlemode, PC, ceramic	1	R808364
	6xSC-Duplex multimode, PC, ceramic	1	R808368
	FiberModul HD, breakout, Designed for 19" 1U HD patch panel. Supplied: – Slide-in unit, fastening material, labeling strips and installation instructions – Plastic front panel equipped with adapters		
	6xLC-Duplex singlemode, PC, ceramic, black	1	R808367
	6xLC-Duplex OM3/OM4, PC, ceramic, black	1	R515079
	12xSC singlemode, APC, ceramic, black	1	R515080
	6xSC-Duplex singlemode, APC, ceramic, black	1	R515081
	6xSC-Duplex singlemode, PC, ceramic, black	1	R808365
	6xSC-Duplex multimode, PC, ceramic, black	1	R808369

لوحات التجميع
FiberModul
Splice and breakout

Patch Panels
MPO/MTP Module 7HP (Type A)



Features

- The wiring inside the module is straight, key up to key down (according to method A from standard TIA 568-C)
- Easy handling (plug and play)
- High packing density, up to 288 fibers per 3U patch panel
- Low insertion loss performance
- Integrated bending radius limiter and hold-down cross
- Pre-numbered front plates, extra labeling field
- The multimode modules are available with newest OM4 fibres and are backwards compatible with OM3 fibres

i Other combinations available on request.

لوحات التجميع
(النوع A) MPO/MTP Module 7HP

Ordering Information

Description

MOQ

Part Number



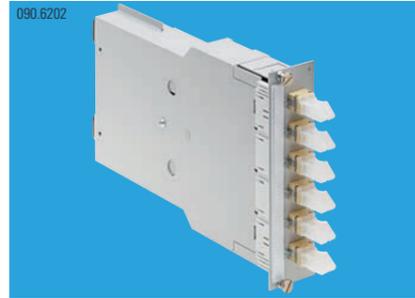
MPO Modul 7HP, metal, MTP12-male - 6xLC-Duplex,

Connectivity method: type A.
Polishing connector MTP: PC.
Polishing connector LC: PC.
Supplied:
– Slide-in unit, radius limiter radius 35 mm, labeling strips and installation instructions
– Metal front panel equipped with 6xLC-Duplex adapters and fan-out inserted, rear side one MTP12-male connector mounted

OM4, PC/PC, ceramic, type A, gray

1

R514563



MPO Modul 7HP, metal, MTP12-female - 6xLC-Duplex,

Connectivity method: type A.
Polishing connector MTP: PC.
Polishing connector LC: PC.
Supplied:
– Slide-in unit, radius limiter radius 35 mm, labeling strips and installation instructions
– Metal front panel equipped with 6xLC-Duplex adapters and fan-outs inserted, rear side one MTP12-female connector mounted

OM4, PC/PC, ceramic, type A, gray

1

R514564



MPO Modul 7HP, metal, 2xMTP12-male - 12xLC-Duplex,

Connectivity method: type A.
Polishing connector MTP: PC.
Polishing connector LC: PC.
Supplied:
– Slide-in unit, radius limiter radius 35 mm, labeling strips and installation instructions
– Metal front panel equipped with 12xLC-Duplex adapters and fan-out inserted, rear side two MTP12-male connectors mounted

OM4, PC/PC, ceramic, type A, gray

1

R514565

Patch Panels
MPO/MTP Module 7HP (Type A)

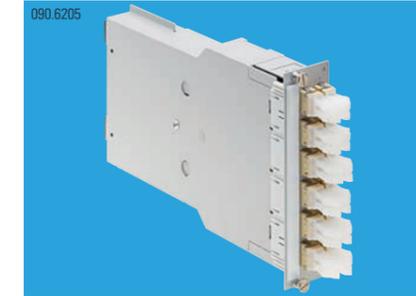
لوحات التجميع
(النوع A) MPO/MTP Module 7HP

Ordering Information

Description

MOQ

Part Number



MPO Modul 7HP, metal, 2xMTP12-female - 12xLC-Duplex,

Connectivity method: type A.
Polishing connector MTP: PC.
Polishing connector LC: PC.
Supplied:
– Slide-in unit, radius limiter radius 35 mm, labeling strips and installation instructions
– Metal front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side two MTP12-female connectors mounted

OM4, PC/PC, ceramic, type A, gray

1

R514566



MPO Modul 7HP, metal, MTP12-male - 6xSC-Duplex,

Connectivity method: type A.
Polishing connector MTP: PC.
Polishing connector SC: PC.
Supplied:
– Slide-in unit, radius limiter radius 35 mm, labeling strips and installation instructions
– Metal front panel equipped with 6xSC-Duplex adapters and fan-out inserted, rear side one MTP12-male connector mounted

OM4, PC/PC, ceramic, type A, gray

1

R514580



MPO Modul 7HP, metal, MTP12-female - 6xSC-Duplex,

Connectivity method: type A.
Polishing connector MTP: PC.
Polishing connector SC: PC.
Supplied:
– Slide-in unit, radius limiter radius 35 mm, labeling strips and installation instructions
– Metal front panel equipped with 6xSC-Duplex adapters and fan-out inserted, rear side one MTP12-female connector mounted

OM4, PC/PC, ceramic, type A, gray

1

R514581



MPO Modul 7HP, metal, MTP12-male - 6xSC-Duplex,

Connectivity method: type A.
Polishing connector MTP: PC.
Polishing connector SC: PC.
Supplied:
– Slide-in unit, radius limiter radius 35 mm, labeling strips and installation instructions
– Metal front panel equipped with 6xSC-Duplex adapters and fan-out inserted, rear side one MTP12-male connector mounted

OM4, PC/PC, ceramic, type A, black

11

R514584



MPO Modul 7HP, metal, MTP12-female - 6xSC-Duplex,

Connectivity method: type A.
Polishing connector MTP: PC.
Polishing connector SC: PC.
Supplied:
– Slide-in unit, radius limiter radius 35 mm, labeling strips and installation instructions
– Metal front panel equipped with 6xSC-Duplex adapters and fan-out inserted, rear side one MTP12-female connector mounted

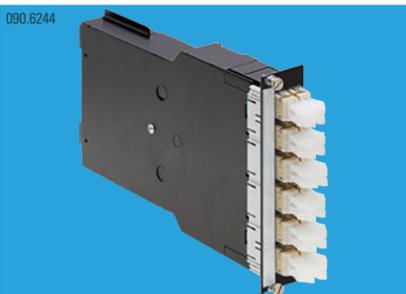
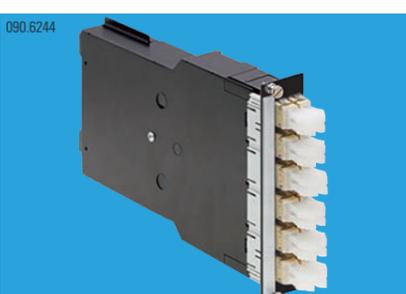
OM4, PC/PC, ceramic, type A, black

1

R514585

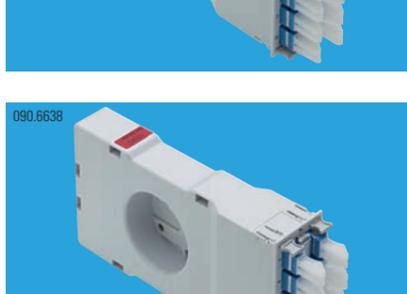
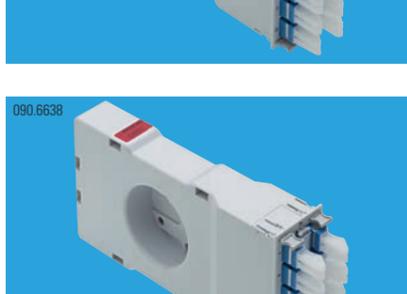
Patch Panels
MPO/MTP Module 7HP (Type A)

لوحات التجميع
MPO/MTP Module 7HP (النوع A)

Ordering Information	Description	MOQ	Part Number
090.6241 	MPO Modul 7HP, metal, MTP12-male - 6xLC-Duplex, Connectivity method: type A. Polishing connector MTP: PC. Polishing connector LC: PC. Supplied: – Slide-in unit, radius limiter radius 35 mm, labeling strips and installation instructions – Metal front panel equipped with 6xLC-Duplex adapters and fan-out inserted, rear side one MTP12-male connector mounted OM4, PC/PC, ceramic, type A, black	1	R514573
090.6241 	MPO Modul 7HP, metal, MTP12-female - 6xLC-Duplex, Connectivity method: type A. Polishing connector MTP: PC. Polishing connector LC: PC. Supplied: – Slide-in unit, radius limiter radius 35 mm, labeling strips and installation instructions – Metal front panel equipped with 6xLC-Duplex adapters and fan-outs inserted, rear side one MTP12-female connector mounted OM4, PC/PC, ceramic, type A, black	1	R514574
090.6244 	MPO Modul 7HP, metal, 2xMTP12-male - 12xLC-Duplex, Connectivity method: type A. Polishing connector MTP: PC. Polishing connector LC: PC. Supplied: – Slide-in unit, radius limiter radius 35 mm, labeling strips and installation instructions – Metal front panel equipped with 12xLC-Duplex adapters and fan-out inserted, rear side two MTP12-male connectors mounted OM4, PC/PC, ceramic, type A, black	1	R514575
090.6244 	MPO Modul 7HP, metal, 2xMTP12-female - 12xLC-Duplex, Connectivity method: type A. Polishing connector MTP: PC. Polishing connector LC: PC. Supplied: – Slide-in unit, radius limiter radius 35 mm, labeling strips and installation instructions – Metal front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side two MTP12-female connectors mounted OM4, PC/PC, ceramic, type A, black	1	R514576

Patch Panels
MPO/MTP Module HD (Type A)

لوحات التجميع
MPO/MTP Module عالي الكثافة (النوع A)

Ordering Information	Description	MOQ	Part Number
090.6638 	MPO Modul HD, 2xMTP12-male - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied: – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side two MTP12-male connectors mounted OM4, PC/PC, type A, gray	1	R807375
090.6638 	MPO Modul HD, MTP24-male - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied: – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side one MTP24-male connector mounted OM4, PC/PC, type A, gray	1	R807758
090.6638 	MPO Modul HD, 2xMTP12-female - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied: – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side two MTP12-female connectors mounted OM4, PC/PC, type A, gray	1	R515858
090.6638 	MPO Modul HD, MTP24-female - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied: – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side one MTP24-female connector mounted OM4, PC/PC, type A, gray	1	R515861

Features

- The wiring inside the module is straight, key up to key down (according to method A from standard TIA 568-C)
- Easy handling (plug and play)
- High packing density, up to 96 fibers per 19" 1U HD patch panel
- Low insertion loss performance
- Integrated bending radius limiter and hold-down cross
- Pre-numbered front plates, extra labeling field
- The multimode modules are available with newest OM4 fibres and are backwards compatible with OM3 fibres

i Other combinations available on request.

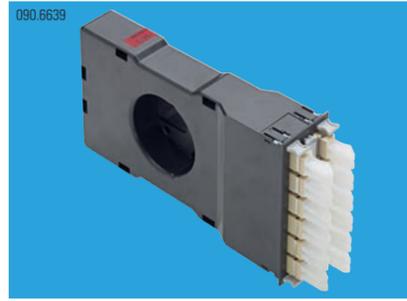
Patch Panels
MPO/MTP Module HD (Type A)

لوحات التجميع
MPO/MTP Module عالي الكثافة (النوع A)

Ordering Information	Description	MOQ	Part Number
090.6638 	<p>MPO Modul HD, MTP12-female - 12xSC, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xSC adapters and fan-outs inserted, rear side one MTP12-female connector mounted 	1	R515869
090.6638 	<p>MPO Modul HD, MTP12-female - 6xSC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 6xSC-Duplex adapters and fan-outs inserted, rear side one MTP12-female connector mounted 	1	R515873

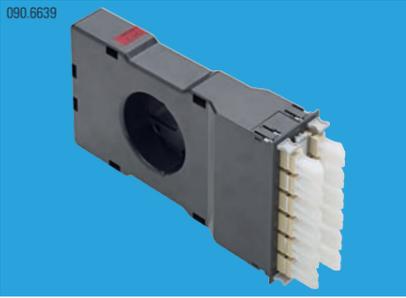
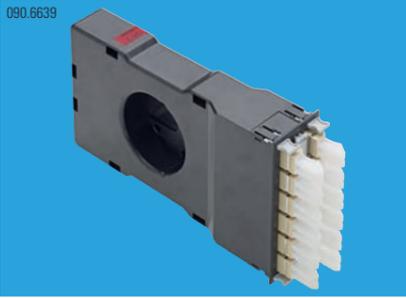
Patch Panels
MPO/MTP Module HD (Type A)

لوحات التجميع
MPO/MTP Module عالي الكثافة (النوع A)

Ordering Information	Description	MOQ	Part Number
090.6639 	<p>MPO Modul HD, 2xMTP12-male - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side two MTP12-male connectors mounted 	1	R807752
	G.652.D, APC/PC, type A, black	1	R807753
090.6639 	<p>MPO Modul HD, MTP24-male - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side one MTP24-male connector mounted 	1	R807759
090.6817 	<p>MPO Modul HD, MTP12-female - 6xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 6xLC-Duplex adapters and fan-outs inserted, rear side one MTP12-female connector mounted 	1	R802295
	G.652.D, APC/PC, type A, black	1	R802158
090.6639 	<p>MPO Modul HD, 2xMTP12-female - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side two MTP12-female connectors mounted 	1	R515859
	G.652.D, APC/PC, type A, black	1	R515860

Patch Panels
MPO/MTP Module HD (Type A)

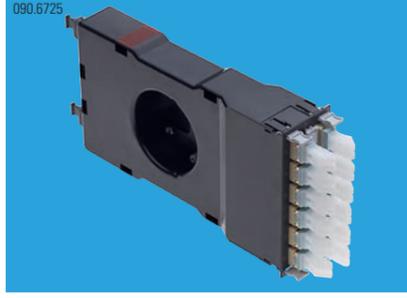
لوحات التجميع
MPO/MTP Module عالي الكثافة (النوع A)

Ordering Information	Description	MOQ	Part Number
	<p>MPO Modul HD, MTP24-female - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side one MTP24-female connector mounted <p>OM4, PC/PC, type A, black</p>	1	R515862
	<p>MPO Modul HD, MTP12-female - 12xSC, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xSC adapters and fan-outs inserted, rear side one MTP12-female connector mounted <p>G.652.D, APC/PC, type A, black OM4, PC/PC, type A, black</p>	1 1	R515868 R515870
	<p>MPO Modul HD, MTP12-female - 6xSC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type A. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 6xSC-Duplex adapters and fan-outs inserted, rear side one MTP12-female connector mounted <p>G.652.D, APC/PC, type A, black OM4, PC/PC, type A, black</p>	1 1	R515872 R515874

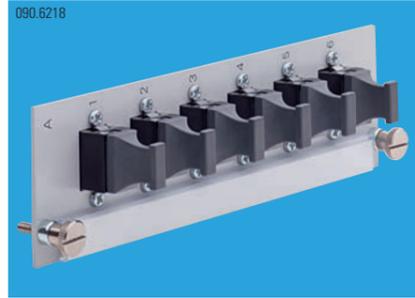
Patch Panels
MPO/MTP Module HD (Type S)

لوحات التجميع
MPO/MTP Module عالي الكثافة (النوع S)

Ordering Information	Description	MOQ	Part Number
	<p>MPO Modul HD, 2xMTP12-male - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type S. Supplied:</p> <ul style="list-style-type: none"> – The wiring inside the module is crossed, key up to key up (according to method S from R&M) – Easy handling (plug and play) – High packing density, up to 96 fibers per 19" 1U HD patch panel – Low insertion loss performance – Integrated bending radius limiter and hold-down cross – Pre-numbered front plates, extra labeling field – The multimode modules are available with newest OM4 fibres and are backwards compatible with OM3 fibres <p>OM4, PC/PC, type S, gray</p> <p>i Other combinations available on request.</p>	1	R809769

Ordering Information	Description	MOQ	Part Number
	<p>MPO Modul HD, 2xMTP12-female - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type S. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side two MTP12-male connectors mounted <p>OM4, PC/PC, type S, gray</p>	1	R809770
	<p>MPO Modul HD, 2xMTP12-female - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type S. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side two MTP12-female connectors mounted <p>OM4, PC/PC, type S, gray</p>	1	R809771
	<p>MPO Modul HD, 2xMTP12-male - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type S. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side two MTP12-male connectors mounted <p>OM4, PC/PC, type S, black</p>	1	R809772
	<p>MPO Modul HD, 2xMTP12-female - 12xLC-Duplex, Designed for 19" 1U HD patch panel. Connectivity method: type S. Supplied:</p> <ul style="list-style-type: none"> – Slide-in unit, radius limiter radius 30 mm, labeling strips and installation instructions – Plastic front panel equipped with 12xLC-Duplex adapters and fan-outs inserted, rear side two MTP12-female connectors mounted <p>OM4, PC/PC, type S, black</p>	1	R809772

Patch Panels
MPO/MTP Adapter Plate 7HP
 (Type A / B)



- Features**
- High density supports up to 288 fibers per adapter plate
 - Up to 3456 fibers in 3U
 - 40Gb/s and 100Gb/s ready
 - Fits in R&M 1U und 3U, 19" sub-racks

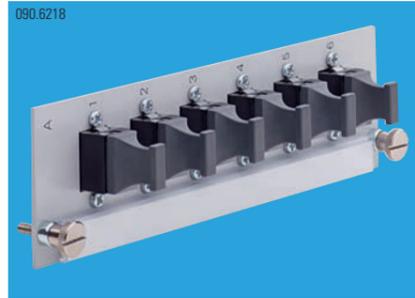
لوحات التجميع
MPO/MTP Adapter Plate 7HP
 (النوع A / B)

Patch Panels
19" Patch Panel empty

لوحات التجميع
 لوحات التجميع عرض 19 بوصة. فارغة



Ordering Information **Description** **MOQ** **Part Number**



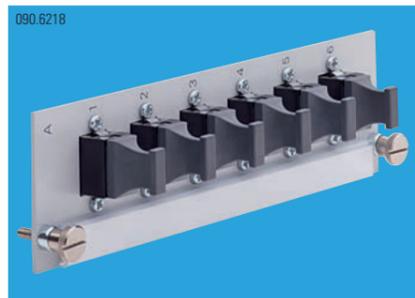
MPO Adapter Plate 7HP, metal,
 Adapter plate equipped with MTP adapters, type A.
6xMTP, type A, gray
12xMTP, type A, gray

1 R514593
 1 R514597



MPO Adapter Plate 7HP, metal,
 Adapter plate equipped with MTP adapters, type B.
6xMTP, type B, gray
12xMTP, type B, gray

0 R514595
 1 R514599



MPO Adapter Plate 7HP, metal,
 Adapter plate equipped with MTP adapters, type A.
6xMTP, type A, black
12xMTP, type A, black

1 R514594
 1 R514598



MPO Adapter Plate 7HP, metal,
 Adapter plate equipped with MTP adapters, type B.
6xMTP, type B, black
12xMTP, type B, black

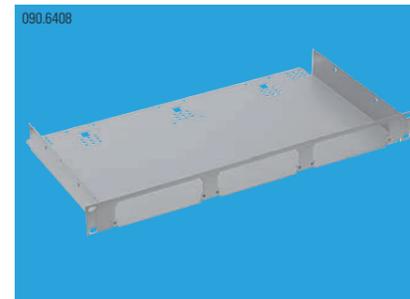
1 R514596
 1 R514600

Ordering Information **Description** **MOQ** **Part Number**



19" 1U Patch Panel 16-Port/u,
 With a capacity for 16 unshielded RJ45 connection modules or 4 FiberModules 1U.
 Supplied:
 – 19" 1U 16-port patch panel, empty, unshielded
 – 19" mounting kit
 – 3 jumpering brackets
 – 4 labeling strips
 – Installation instructions
empty

1 R305890



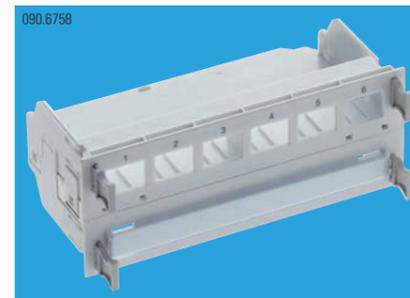
19" 1U Modularpanel 36,
 Patch panel with capacity of up to 3 module, 7HP.
 Supplied:
 – Modularpanel
 – Fastening kit
 – Installation instructions
3x7HP, gray, empty
3x7HP, black, empty
 Without cover.

1 R804258
 1 R804259



19" 1U HD Patch Panel 48-Port,
 Metal patch panel with integrated cable tie shelf. Ready for all HD inserts (copper / FO).
 Supplied:
 – 19" 1U HD patch panel
 – 19" mounting kit
 – 4 velcro strips
 – Installation instructions
gray, empty
black, empty

1 R512416
 1 R512721

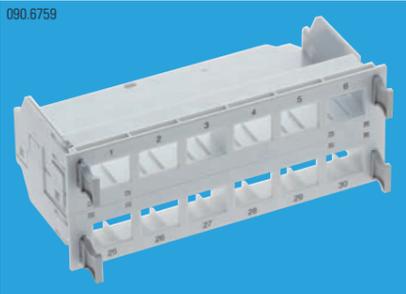
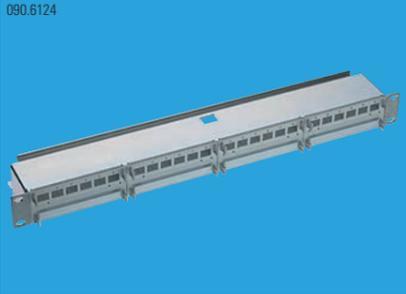
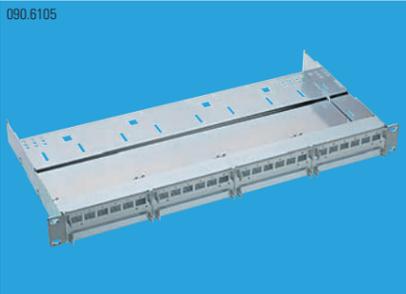


Connection Module Holder HD, 4x 6-port,
 To be mounted into 19" 1U HD patch panels family. The ports are consecutively numbered from 1 to 24. Suitable for adapters E-2000™, LC-Duplex, MTP or SC.
E-2000™ / LC-Duplex / MTP / SC with blind element, gray
E-2000™ / LC-Duplex / MTP / SC with blind element, black

1 R807766
 1 R807767

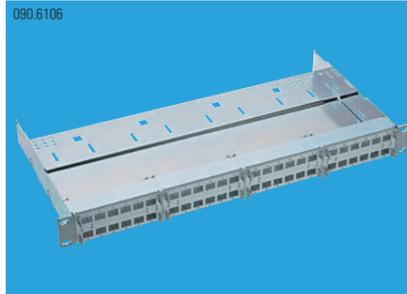
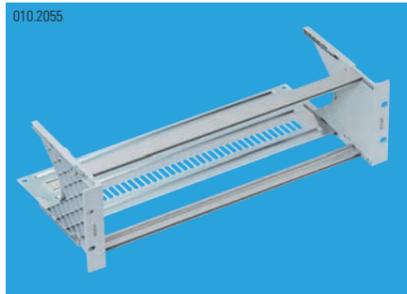
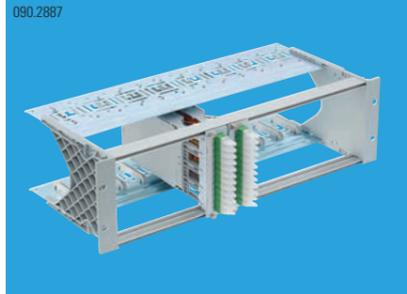
Patch Panels
19" Patch Panel empty

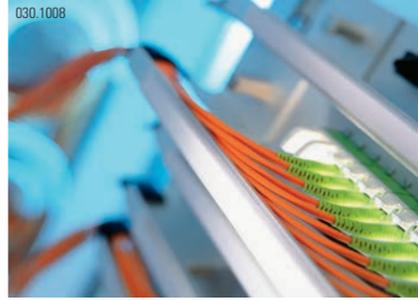
لوحات التجميع
لوحات التجميع عرض 19 بوصة، فارغة

Ordering Information	Description	MOQ	Part Number
090.6759 	Connection Module Holder HD, 4x 12-port, To be mounted into 19" 1U HD patch panels family. The ports are consecutively numbered from 1 to 48. Suitable for adapters E-2000™, LC-Duplex, MTP or SC. E-2000™ / LC-Duplex / MTP / SC, gray E-2000™ / LC-Duplex / MTP / SC, black	1 1	R807768 R807769
090.6124 	19" 1U HD Basic Patch Panel 24xLC-Duplex / MPO, With a capacity for 24 adapters LC-Duplex (flangeless), E-2000™ (flangeless), SC (flangeless) or MPO (flangeless). Supplied: – 19" 1U HD Basic patch panel – 4 6-port connection module holders HD with blind element – 19" mounting kit – Velcro tape – Installation instructions gray, empty black, empty i Without adapters.	1 1	R512696 R512740
090.6127 	19" 1U HD Basic Patch Panel 48xLC-Duplex / MPO, With a capacity for 48 adapters LC-Duplex (flangeless), E-2000™ (flangeless), SC (flangeless) or MPO (flangeless). Supplied: – 19" 1U HD Basic patch panel – 4 12-port connection module holders HD – 19" mounting kit – Velcro tape – Installation instructions gray, empty black, empty i Without adapters.	1 1	R512697 R512741
090.6105 	19" 1U HD Patch Panel 24xLC-Duplex / MPO, With a capacity for 24 adapters LC-Duplex (flangeless), E-2000™ (flangeless), SC (flangeless) or MPO (flangeless). Supplied: – 19" 1U HD patch panel – 4 6-port connection module holders HD with blind element – 19" mounting kit – Velcro tape – Installation instructions gray, empty black, empty i Without adapters.	1 1	R512694 R512738

Patch Panels
19" Patch Panel empty

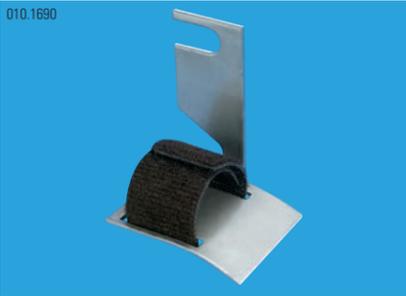
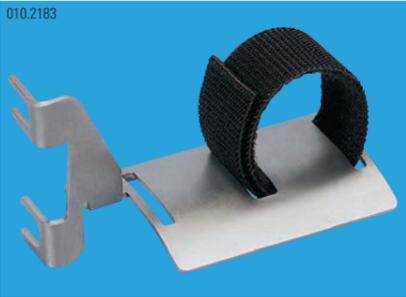
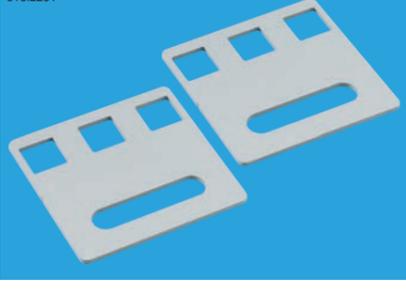
لوحات التجميع
لوحات التجميع عرض 19 بوصة، فارغة

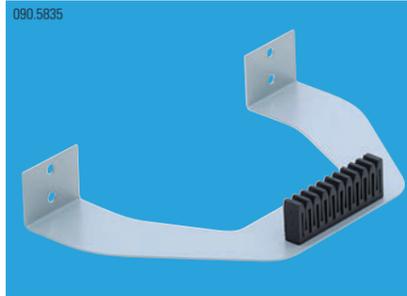
Ordering Information	Description	MOQ	Part Number
090.6106 	19" 1U HD Patch Panel 48xLC-Duplex / MPO, With a capacity for 48 adapters LC-Duplex (flangeless), E-2000™ (flangeless), SC (flangeless) or MPO (flangeless). Supplied: – 19" 1U HD patch panel – 4 12-port connection module holders HD – 19" mounting kit – Velcro tape – Installation instructions gray, empty black, empty i Without adapters.	1 1	R512695 R512739
010.2055 	19" 3U Global Patch Panel 60-Port/u, Holds up to fifteen Global/u connection module holders, Global blind covers or six Global adapter units. Max. capacity of 60 RJ45/u connection modules. Supplied: – 19" 3U Global patch panel/u incl. cable tie shelf – 19" mounting kit – Installation instructions empty	1	R35409
090.2887 	19" 3U Global Rack FO, Capacity of twelve FiberModules/MPO Modules (144 - 288 terminations). Color: medium gray (NCS 2502-B). Dimensions: 3U, 84HP. Supplied: – Global patch panel – 1x insertion guide – Card guiding set – Fastening material empty	1	R319101



Ordering Information	Description	MOQ	Part Number
010.2291	<p>19" 1U SpliceBox / BreakoutBox, cover Protection against external mechanical factors. Opened and closed with a screwdriver. Color: medium gray (NCS 2502-B). Supplied: – Cover (sheet steel) – 4 screws M4x8 mm</p>	1	R306775
090.5500	<p>19" 1U Modularpanel 36, cover, Protection against external mechanical factors. Opened and closed with a screwdriver. Supplied: – Cover (sheet steel) – 4 screws M4x6 mm gray metallic</p>	1 1	R510710 R802909
090.6128	<p>19" 1U HD Patch Panel, cover Protection against external mechanical factors through snap-on cover.</p>	1	R512698
090.3154	<p>Cable Guide For the horizontal patch cords routing. Fitted directly to the rack. Applicable when the 19" side mounting brackets are not in back-set position. Patching rings are an equivalent option. Color: powder-coated, medium gray, NCS 2502-B. Supplied: – Cable guide – 3 Velcro fasteners 200 mm 60 mm</p>	1	R320180

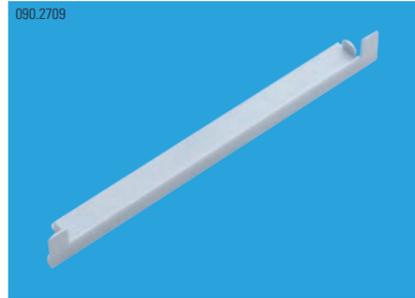
Ordering Information	Description	MOQ	Part Number
010.1689	<p>Cable Guide For the horizontal patch cords routing. Fitted directly to the rack. Applicable when the 19" side mounting brackets are not in back-set position. Patching rings are an equivalent option. Color: powder-coated, medium gray, NCS 2502-B. Material: 1.5 mm sheet steel. Supplied: – Cable guide – Velcro fastener 600 mm 75 mm 110 mm</p>	1 1	R30315 R302003
010.2136	<p>Cable Guide FOM For the horizontal patch cord routing. Fitted directly to the rack. Applicable when the 19" side mounting brackets are not in back-set position. Patching rings are an equivalent option. Color: powder-coated, medium gray, NCS 2502-B. Material: 1.5 mm sheet steel. Supplied: – Cable guide – 4 strain relief elastics 110 mm</p>	1	R304439
090.2983	<p>Cable Guide ETSI - 19" Reduced from ETSI to 19". The patch panel position is continuously adjustable (-60 mm to +30 mm). For the horizontal and vertical patch cords routing. Color: powder-coated, medium gray, NCS 2502-B. Supplied: – Mounting brackets ETSI to 19" – Cable guide 60 mm – Velcro fastener 500 mm 60 mm</p>	1	R317003
090.5499	<p>19" 1U Cable Guide Modular, For the horizontal patch cords routing. Fitted directly to the racks at the front of the 19" profiles. Material: 1.25 mm sheet steel, powder-coated. Supplied: – Cable guide – Velcro fastener 500 mm 100 mm, gray 100 mm, black</p>	1 1	R510711 R510889

Ordering Information	Description	MOQ	Part Number
010.1690 	Patching Ring left / right, The patching ring protects the admissible bending radius of the fiber glass cable. Mounted at the front of the 19" profiles. Material: 1.5 mm sheet steel, powder-coated. Supplied: – Patching rings left and right – Velcro fastener 200 mm (for closed racks with front doors) 35 mm, gray 35 mm, black	1 1	R302004 R510887
010.2183 	Patching Ring left / right, The patching ring protects the admissible bending radius of the fiber glass cable. Mounted at the front of the 19" profiles. Material: 1.5 mm sheet steel, powder-coated. Supplied: – Patching rings left and right – Velcro fastener 400 mm for depth 75 mm 75 mm, gray 75 mm, black	1 1	R302005 R510888
010.2137 	Patching Ring FOM left / right, The patching ring protects the admissible bending radius of the fiber glass cable. Mounted at the front of the 19" profiles. Color: powder-coated, medium gray, NCS 2502-B. Material: 1.5 mm sheet steel. Supplied: – Patching rings left and right – 2 strain relief elastics 75 mm, gray	1	R304440
030.0925 	Velcro Tape, For bundling and fixating pressure-sensitive data and fiberoptic cables. 0.5 m	10	R301569
010.2201 	21" 1U Adapter Kit UniRack With these adapters, 19" components can be fitted into metric profile rails (535 mm). Color: powder-coated, medium gray, NCS 2502-B. Material: 1.5 mm sheet steel. Supplied: – 2 adapters of 21 inches – Fastening material	1	R305148

Ordering Information	Description	MOQ	Part Number
090.5835 	Rear Cable Guide for For the backside MPO-trunk cable routing. Fitted directly to the back of the panel. Material: steel, 1.5 mm. 19" MPO Panel, gray 19" MPO Panel, black	1 1	R510890 R511922
010.1692 	Rear Cable Guide for This rear cable guide is an additional support for FO cables or flex hoses (not for use with Fibereasy Rack). Material: 1.5 mm aluminum. Supplied: – 1 cable guide – Fastening material 19" UniRack / Splice-, BreakoutBox	1	R302058
010.1693 	Rear Cable Entry M20 for The rear cable entry is an additional relief on the FO cable (not for use with Fibereasy Rack). Material: 2.0 mm aluminum. Supplied: – Cable entry – M20 screwing – Fastening material 19" UniRack / Splice, BreakoutBox	1	R302006
030.1027.1 	Fibereasy Breakout Kit Additional patching guides for the slide-in unit to extend the excess length deposit. Max. five radius guards per 19" 1U FibereasyRack can be fitted. Color: gray. Material: ABS. Dimensions: 50 x 50 x 15 mm, radius 45°/90°. Supplied: – 4 radius guards, 15 mm – Mounting material	1	R303577



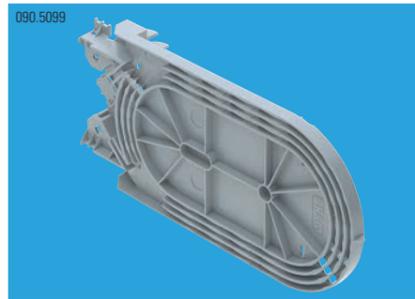
Ordering Information	Description	MOQ	Part Number
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090.2709	FiberModul Front Panel 1HP, blind	10	R318527
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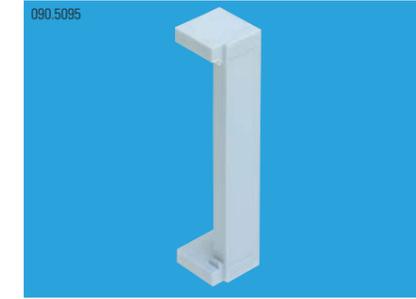
090.2708	FiberModul Front Panel 7HP, blind Supplied: – Front panel 7HP, blind – Labeling strips	1	R318528
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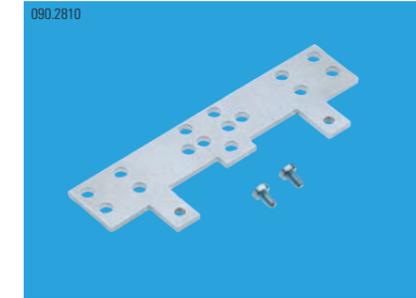
090.5099	FiberModul Overlength Tray Up to 2.5 m overlength reserve on a dimension of 7HP. Suitable for standard loose tubes with a diameter from 2.8 mm to 3.0 mm. Easy insertion of the loose tubes, thanks to intelligent overlength management. Choosable cable entry 45° oder 90°. Easy and guided transfer of the loose tube inside the splice tray, guaranteed bending radius of 35 mm. Extremely space saving inside the whole rack, no separate cable drawer needed. Supplied: – Overlength tray – 2 cable ties – Installation instruction	1	R504430
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i Not applicable with the 1U, FiberModul.

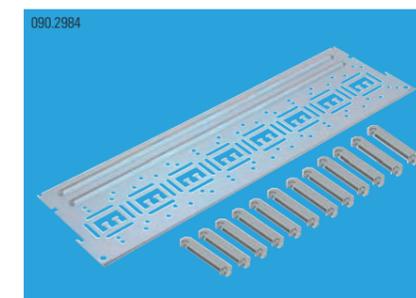
Ordering Information	Description	MOQ	Part Number
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090.5095	FiberModul Front Panel Extension, 4.2HP Extension of FiberModul 7HP up to 11.2HP in combination with the overlength tray. i Needed when the FiberModul 7HP version should be mounted in a 3U copper patch panel.	1	R505676
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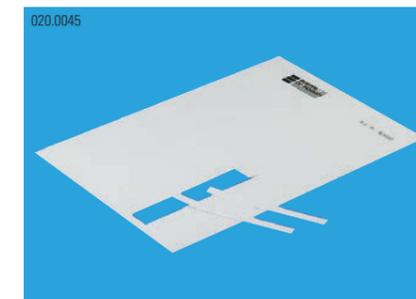
090.2810	Mounting Plate for Cable Guide Set	1	R318523
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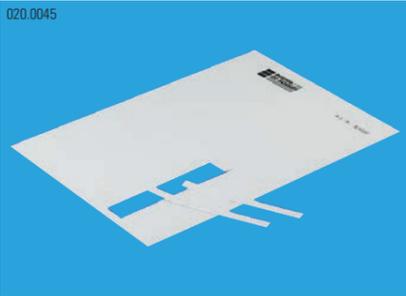
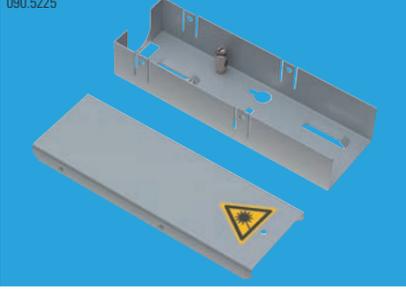
090.2984	Insertion Guide 3U Global Rack FO, 144 Fibers Supplied: – 19" universal cable shelf – Card guiding kit	1	R319103
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030.0011	3U Front Plate Part, Dummy plate to cover unused ports on the 1U and 3U sub-rack. Material: sheet steel. gray, 7HP black, 7HP gray, 8HP	1 1 1	R304571 R802910 R30055-3-8
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020.0045	Labeling Sheet FiberModul 7HP For the labeling of front plates FiberModul 7HP. Dimensions: A4. Material: paper, white, perforated. Supplied: – Labeling sheet (36 strips without logo)	1	R318459
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Ordering Information	Description	MOQ	Part Number
020.0045 	Labeling Sheet 3U Global Module Holder For the labeling of front plates and 19" insertions. Dimensions: A4. Material: paper, white, perforated. Supplied: – 3U Global module holder labeling sheet (50 strips without logo)	10	R30871
010.1964 	19" 1U Contact Drawer For storing spare loose tubes. Color: NCS 2502-B, medium gray. Material: sheet steel. Dimensions: 482.6x43.6(1U)x230 mm (WxHxD). Supplied: – 19" 1U contact drawer – Fastening material – Excluding FO baffle guides	1	R305374
010.2311 	Baffle Guide For smooth patch cord guiding. For use with 19" 1U contact drawers. Color: NCS 2502-B, medium gray. Material: ABS/PC. Supplied: – Baffle guide – Fastening material right left	3 3	R30125 R30126
090.5225 	Distributor Box FO Distributor box for a flexible split-up / summing-up of different loose tube fibers. Supplied: – Distributor box, incl. cover – Laser signet – 2 central member clamp – 6 cable ties	1	R509120

Ordering Information	Description	MOQ	Part Number
090.3309 	Breakout Cable LC PC 12x - LC PC 12x, blue, Both sides fitted with 12 LC PC connector. Connector color: blue. Fiber: SM E9/125 G.652.D (OS1, OS2). Cable: Breakout 12-fibers, Ø 12.5 mm, yellow. Fan-out legs of 1.0 m length (on both sides). G.652.D, C/2, 10 m G.652.D, C/2, 20 m G.652.D, C/2, 30 m	1 1 1	R502292 R502294 R502295
090.3242 	Breakout Cable LC PC 12x - LC PC 12x, beige, Both sides fitted with 12 LC PC connector. Connector color: beige. Fiber: MM G50/125 (OM3). Cable: Breakout 12-fibers, Ø 12.5 mm, green. Fan-out legs of 1.0 m length (on both sides). OM3, Bm/3, 10 m OM3, Bm/3, 20 m OM3, Bm/3, 30 m i UV stabilized LSZH sheath	1 1 1	R320803 R320800 R320798
090.3309 	Breakout Cable LC PC 24x - LC PC 24x, blue, Both sides fitted with 24 LC PC connector. Connector color: blue. Fiber: SM E9/125 G.652.D (OS1, OS2). Cable: Breakout 24-fibers, Ø 14.5 mm, yellow. Fan-out legs of 1.0 m length (on both sides). G.652.D, C/2, 10 m G.652.D, C/2, 20 m G.652.D, C/2, 30 m	1 1 1	R502271 R502288 R502290
090.3308 	Breakout Cable LC PC 24x - LC PC 24x, beige, Both sides fitted with 24 LC PC connector. Connector color: beige. Fiber: MM G50/125 (OM3). Cable: Breakout 24-fibers, Ø 14.5 mm, turquoise. Fan-out legs of 1.0 m length (on both sides). OM3, Bm/3, 10 m OM3, Bm/3, 20 m OM3, Bm/3, 30 m	1 1 1	R502432 R502433 R502439
090.3309 	Breakout Cable SC PC 12x - SC PC 12x, blue, Both sides fitted with 12 SC PC connector. Connector color: blue. Fiber: SM E9/125 G.652.D (OS1, OS2). Cable: Breakout 12-fibers, Ø 12.5 mm, yellow. Fan-out legs of 1.0 m length (on both sides). G.652.D, C/2, 10 m G.652.D, C/2, 20 m G.652.D, C/2, 30 m	1 1 1	R501880 R502336 R502338

Ordering Information	Description	MOQ	Part Number
090.3308	<p>Breakout Cable SC PC 12x - SC PC 12x, beige, Both sides fitted with 12 SC PC connector. Connector color: beige. Fiber: MM G50/125 (OM3). Cable: Breakout 12-fibers, Ø 12.5 mm, turquoise. Fan-out legs of 1.0 m length (on both sides).</p> <p>OM3, Bm/3, 10 m OM3, Bm/3, 20 m OM3, Bm/3, 30 m</p>	1 1 1	R502248 R502249 R502251
090.3309	<p>Breakout Cable SC PC 24x - SC PC 24x, blue, Both sides fitted with 24 SC PC connector. Connector color: blue. Fiber: SM E9/125 G.652.D (OS1, OS2). Cable: Breakout 24-fibers, Ø 14.5 mm, yellow. Fan-out legs of 1.0 m length (on both sides).</p> <p>G.652.D, C/2, 10 m G.652.D, C/2, 20 m G.652.D, C/2, 30 m</p>	1 1 1	R502299 R502306 R502332
090.3308	<p>Breakout Cable SC PC 24x - SC PC 24x, beige, Both sides fitted with 24 SC PC connector. Connector color: beige. Fiber: MM G50/125 (OM3). Cable: Breakout 24-fibers, Ø 14.5 mm, turquoise. Fan-out legs of 1.0 m length (on both sides).</p> <p>OM3, Bm/3, 10 m OM3, Bm/3, 20 m OM3, Bm/3, 30 m</p>	1 1 1	R502234 R502237 R502241

Ordering Information	Description	MOQ	Part Number
090.5624	<p>– Pre-converted MiniCore cable with LC connectors on both sides – Fiber count 12/24/48/72 – Number code for individual identification – LSZH, Plenum or Riser cable sheath – Pulling eye (optional)</p>		
<p>i Different lengths, fiber types and connectors on request.</p>			
090.5622	<p>Trunk Cable, 24fibers, LC PC - LC PC, Pre-converted MiniCore cable with LC PC connectors on both sides. Leg length: 80 cm (on both sides). Connector color: blue. Fiber: SM E9/125 G.652.D (OS1, OS2). Outer jacket: LSZH. Cable: yellow. Supplied: – Test report, pulling eye on both sides.</p> <p>G.652.D, C/2, LSZH, 10 m G.652.D, C/2, LSZH, 20 m G.652.D, C/2, LSZH, 30 m</p>	1 1 1	R511938 R511939 R511940
090.5624	<p>Trunk Cable, 24fibers, LC PC - LC PC, Pre-converted MiniCore cable with LC PC connectors on both sides. Leg length: 80 cm (on both sides). Connector color: beige Fiber: MM G50/125 (OM4). Outer jacket: LSZH. Cable: turquoise. Supplied: – Test report, pulling eye on both sides.</p> <p>OM4, Bm/3, LSZH, 10 m OM4, Bm/3, LSZH, 20 m OM4, Bm/3, LSZH, 30 m</p>	1 1 1	R511953 R511954 R511955
090.5624	<p>Trunk Cable, 12fibers, LC PC - LC PC, Pre-converted MiniCore cable with LC PC connectors on both sides. Leg length: 80 cm (on both sides). Connector color: beige Fiber: MM G50/125 (OM3). Outer jacket: LSZH. Cable: turquoise. Supplied: – Test report, pulling eye on both sides.</p> <p>OM3, Bm/3, LSZH, 10 m OM3, Bm/3, LSZH, 20 m OM3, Bm/3, LSZH, 30 m</p>	1 1 1	R511944 R511945 R511946

Ordering Information	Description	MOQ	Part Number
090.5624	<p>Trunk Cable, 24fibers, LC PC - LC PC, Pre-converted MiniCore cable with LC PC connectors on both sides. Leg length: 80 cm (on both sides). Connector color: beige Fiber: MM G50/125 (OM3). Outer jacket: LSZH. Cable: turquoise. Supplied: – Test report, pulling eye on both sides.</p>	1	R511947
	OM3, Bm/3, LSZH, 10 m	1	R511948
	OM3, Bm/3, LSZH, 20 m	1	R511949
	OM3, Bm/3, LSZH, 30 m	1	R511949
090.5624	<p>Trunk Cable, 48fibers, LC PC - LC PC, Pre-converted MiniCore cable with LC PC connectors on both sides. Leg length: 80 cm (on both sides). Connector color: beige Fiber: MM G50/125 (OM3). Outer jacket: LSZH. Cable: turquoise. Supplied: – Test report, pulling eye on both sides.</p>	1	R511950
	OM3, Bm/3, LSZH, 10 m	1	R511951
	OM3, Bm/3, LSZH, 20 m	1	R511952
	OM3, Bm/3, LSZH, 30 m	1	R511952
090.5623	<p>Trunk Cable, 24fibers, LC PC - LC PC, Pre-converted MiniCore cable with LC PC connectors on both sides. Leg length: 80 cm (on both sides). Connector color: beige Fiber: MM G50/125 (OM2). Outer jacket: LSZH. Cable: orange. Supplied: – Test report, pulling eye on both sides.</p>	1	R511941
	OM2, Bm/3, LSZH, 10 m	1	R511942
	OM2, Bm/3, LSZH, 20 m	1	R511943
	OM2, Bm/3, LSZH, 30 m	1	R511943

Ordering Information	Description	MOQ	Part Number
090.5618	<p>Trunk Cable, 12fibers, MTP12-male PC - MTP12-male PC, Both sides fitted with MTP12-male PC connector. Connector color: black. Frame color: turquoise. Fiber: MM G50/125 (OM4). Cable: turquoise. OM4, LSZH, type A, 10 m OM4, LSZH, type A, 20 m OM4, LSZH, type A, 30 m</p>	1	R802062
	OM4, LSZH, type A, 20 m	1	R806241
	OM4, LSZH, type A, 30 m	1	R806202
090.5618	<p>Trunk Cable, 12fibers, MTP12-male PC - MTP12-male PC, Both sides fitted with MTP12-male PC connector. Connector color: black. Frame color: turquoise. Fiber: MM G50/125 (OM3). Cable: turquoise. OM3, LSZH, type A, 10 m OM3, LSZH, type A, 20 m OM3, LSZH, type A, 30 m</p>	1	R803818
	OM3, LSZH, type A, 20 m	1	R803319
	OM3, LSZH, type A, 30 m	1	R803320
090.5618	<p>Trunk Cable, 12fibers, MTP12-female PC - MTP12-female PC, Both sides fitted with MTP12-female PC connector. Connector color: black. Frame color: turquoise. Fiber: MM G50/125 (OM4). Cable: turquoise. OM4, LSZH, type A, 10 m OM4, LSZH, type A, 20 m OM4, LSZH, type A, 30 m</p>	1	R511917
	OM4, LSZH, type A, 20 m	1	R511918
	OM4, LSZH, type A, 30 m	1	R511919
090.5617	<p>Trunk Cable, 12fibers, MTP12-female PC - MTP12-female PC, Both sides fitted with MTP12-female PC connector. Connector color: black. Frame color: beige. Fiber: MM G50/125 (OM2). Cable: orange. OM2, LSZH, type A, 10 m OM2, LSZH, type A, 20 m OM2, LSZH, type A, 30 m</p>	1	R511911
	OM2, LSZH, type A, 20 m	1	R511912
	OM2, LSZH, type A, 30 m	1	R511913

Features

- Backbone installation
- Choice of either both ends with pins (male type) or both ends without pins (female type)
- Choices of MPO/MTP in 12 or 24-fiber connector interface
- Type A (key-up to key-down) connector cable
- Test report supplied with each cable assembly

i Other length, cable jacket and polarity on request.

Pre-Terminated Cables
Trunk Cable MPO/MTP (Type B)

كوابل سابقة التوصيل
كوابل رئيسية MPO/MTP (النوع B)



- Features**
- Backbone installation
 - Choice of either both ends with pins (male type) or both ends without pins (female type)
 - Choices of MPO/MTP in 12 or 24-fiber connector interface
 - Type B (key-up to key-up) connector cable
 - Test report supplied with each cable assembly

i Other length, cable jacket and polarity on request.

Ordering Information	Description	MOQ	Part Number
	Trunk Cable, 12fibers, MTP12-male PC - MTP12-male PC, Both sides fitted with MTP12-male PC connector. Connector color: black. Frame color: turquoise. Fiber: MM G50/125 (OM4). Cable: turquoise. OM4, LSZH, type B, 10 m OM4, LSZH, type B, 20 m OM4, LSZH, type B, 30 m	1 1 1	R804560 R806242 R806243
	Trunk Cable, 12fibers, MTP12-male PC - MTP12-male PC, Both sides fitted with MTP12-male PC connector. Connector color: black. Frame color: turquoise. Fiber: MM G50/125 (OM3). Cable: turquoise. OM3, LSZH, type B, 10 m OM3, LSZH, type B, 20 m OM3, LSZH, type B, 30 m	1 1 1	R806244 R806245 R806246
	Trunk Cable, 24fibers, MTP24-male PC - MTP24-male PC, Both sides fitted with MTP24-male PC connector. Connector color: black. Frame color: turquoise. Fiber: MM G50/125 (OM4). Cable: turquoise. OM4, LSZH, type B, 10 m OM4, LSZH, type B, 20 m OM4, LSZH, type B, 30 m	1 1 1	R804558 R806250 R806251

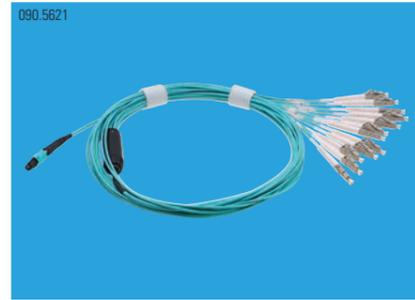
Pre-Terminated Cables
Trunk Cable MPO/MTP (Type B)

كوابل سابقة التوصيل
كوابل رئيسية MPO/MTP (النوع B)

Ordering Information	Description	MOQ	Part Number
	Trunk Cable, 24fibers, MTP24-male PC - MTP24-male PC, Both sides fitted with MTP24P-male PC connector. Connector color: black. Frame color: turquoise. Fiber: MM G50/125 (OM3). Cable: turquoise. OM3, LSZH, type B, 10 m OM3, LSZH, type B, 20 m OM3, LSZH, type B, 30 m	1 1 1	R806258 R806259 R806260
	Trunk Cable, 12fibers, MTP12-female PC - MTP12-female PC, Both sides fitted with MTP12-female PC connector. Connector color: black. Frame color: turquoise. Fiber: MM G50/125 (OM4). Cable: turquoise. OM4, LSZH, type B, 10 m OM4, LSZH, type B, 20 m OM4, LSZH, type B, 30 m	1 1 1	R806319 R806320 R806321
	Trunk Cable, 12fibers, MTP12-female PC - MTP12-female PC, Both sides fitted with MTP12-female PC connector. Connector color: black. Frame color: turquoise. Fiber: MM G50/125 (OM3). Cable: turquoise. OM3, LSZH, type B, 10 m OM3, LSZH, type B, 20 m OM3, LSZH, type B, 30 m	1 1 1	R805214 R806322 R806323
	Trunk Cable, 24fibers, MTP24-female PC - MTP24-female PC, Both sides fitted with MTP24-female PC connector. Connector color: black. Frame color: turquoise. Fiber: MM G50/125 (OM4). Cable: turquoise. OM4, LSZH, type B, 10 m OM4, LSZH, type B, 20 m OM4, LSZH, type B, 30 m	1 1 1	R806252 R806253 R806254
	Trunk Cable, 24fibers, MTP24-female PC - MTP24-female PC, Both sides fitted with MTP24-female PC connector. Connector color: black. Frame color: turquoise. Fiber: MM G50/125 (OM3). Cable: turquoise. OM3, LSZH, type B, 10 m OM3, LSZH, type B, 20 m OM3, LSZH, type B, 30 m	1 1 1	R806255 R806256 R806257

**Pre-Terminated Cables
Harness Cable MPO/MTP**

كوابل سابقة التوصيل
Harness MPO / MTP كوابل

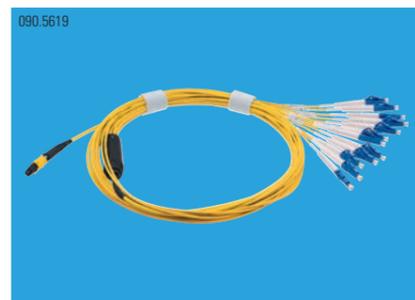


- Features**
- For transition from trunk backbone assemblies to fiber rack system
 - MPO/MTP connector on one end, with single-fiber connectors on another end
 - Single-fiber connector interface available in LC and SC
 - Standard furcation length 0.8 meters
 - Delivered with pulling eye on single-fiber connectors side
 - Test report supplied with each cable assembly

i Other length, cable jacket und polarity on request.

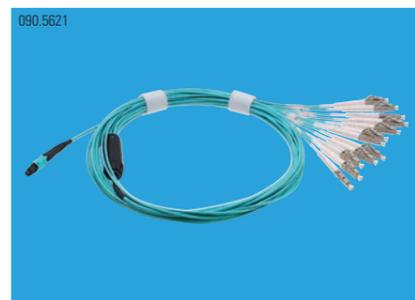
Ordering Information

Description	MOQ	Part Number
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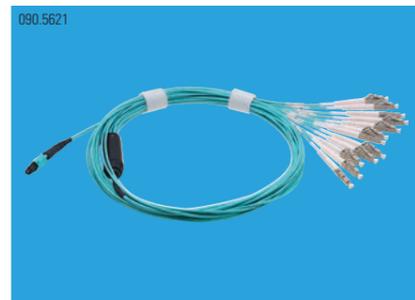
Harness Cable, 12fibers, MTP12-male APC - LC PC 12x,
Fitted with MTP12-male APC and 12 LC PC connector.
Connector color MTP: black.
Frame color MTP: yellow.
Connector color LC: blue.
Fiber: SM E9/125 G.652.D (OS1, OS2).
Cable: yellow.
Supplied:
– Cable terminated with connectors
– Including pulling eye
G.652.D, LSZH, 10 m
G.652.D, LSZH, 20 m
G.652.D, LSZH, 30 m

1	R511923
1	R511924
1	R511925



Harness Cable, 12fibers, MTP12-male PC - LC PC 12x,
Fitted with MTP12-male PC and 12 LC PC connector.
Connector color MTP: black.
Frame color MTP: turquoise.
Connector color LC: beige.
Fiber: MM G50/125 (OM4).
Cable: turquoise.
Supplied:
– Cable terminated with connectors
– Including pulling eye
OM4, LSZH, 10 m
OM4, LSZH, 20 m
OM4, LSZH, 30 m

1	R511932
1	R511933
1	R511934

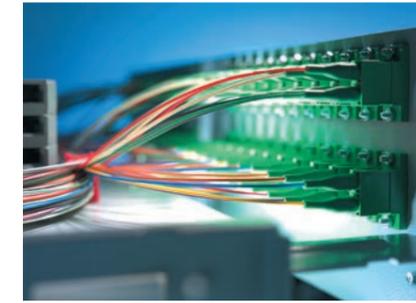


Harness Cable, 12fibers, MTP12-female PC - LC PC 12x,
Fitted with MTP12-female PC and 12 LC PC connector.
Connector color MTP: black.
Frame color MTP: turquoise.
Connector color LC: beige.
Fiber: MM G50/125 (OM4).
Cable: turquoise.
Supplied:
– Cable terminated with connectors
– Including pulling eye
OM4, LSZH, 10 m
OM4, LSZH, 20 m
OM4, LSZH, 30 m

1	R804147
1	R804148
1	R804149

Pigtails

وصلات ألياف ضوئية أحادية الجانب



All pigtails from R&M are delivered as double pigtails of five meters in length. They are marked at 2.5 m for the bisection but not cut through.
All pigtail fibers are semi-tight buffer 0.9 mm one side fitted with FO connector.

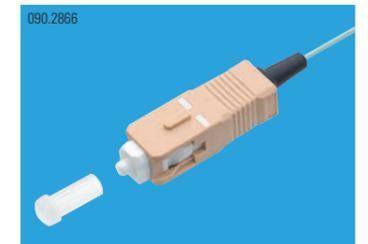
Single Mode Pigtails



LC - APC



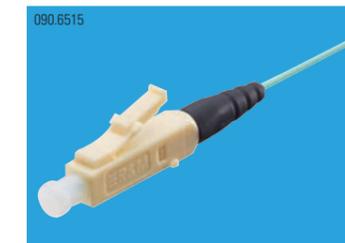
LC - PC



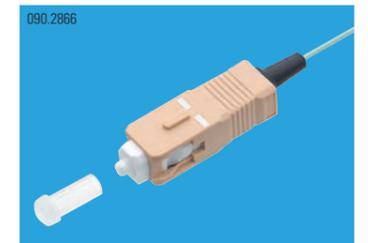
SC

Connector type	Polish type	Single Mode							
		Grade -A		Grade -B		Grade -C		Grade -D	
		G652.D	G657.A	G652.D	G657.A	G652.D	G657.A	G652.D	G657.A
LC	APC	R803509	R803536	R803514	R803537	R803524	R803538		
	PC	R803542	R803539	R803543	R803540	R803544	R803541	R803545	
SC	APC					R31015			
	PC					R31014			

Multimode Pigtails



LC



SC

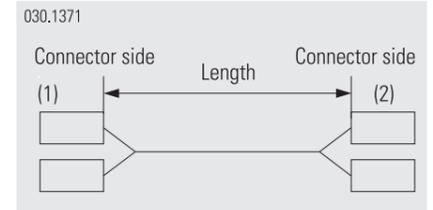
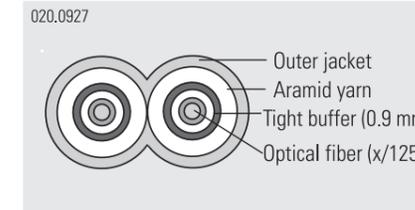
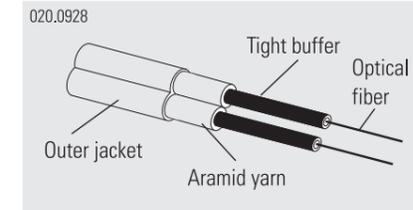
Connector type	Polish type	Multi Mode			
		OM1	OM2	OM3	OM4
		62.5/125	50/125	50/125	50/125
LC	PC	R803546	R803547	R803548	R803549
SC	PC	R301462	R301461	R307388	R802912



Fiber Optic patch cords LC, SC, SC-RJ, Hybrid

- Features
- Available in wide range of lengths
 - Duplex patch cords - SM, MM
 - LSZH cable jacket

FO Duplex Patch Cord



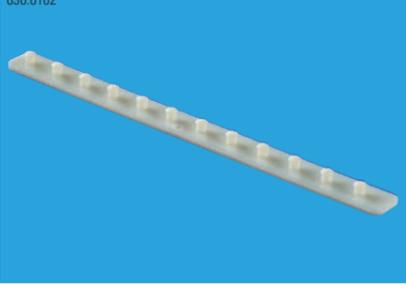
Patch Cords

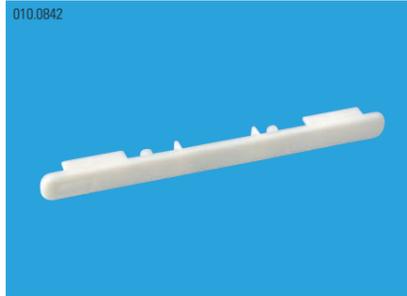
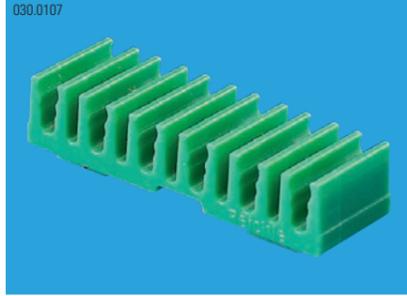
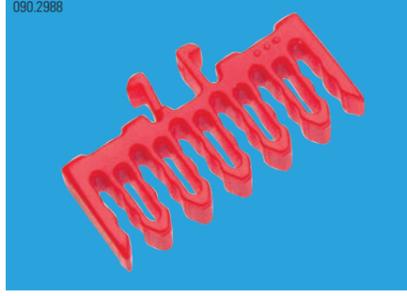
Connector Side 2	LC Duplex 						SC Duplex 					
	Length (Meter)	OM3	OM4	OS2 PC Grade d	OS2 PC Grade c	OS2 APC Grade c	OM3	OM4	OS2 PC Grade d	OS2 PC Grade c	OS2 APC Grade c	
 LC Duplex	1	323063	802250	806495	800060	802329	323059	802766	808716	800378	803403	
	2	323064	802251	317465	308903	308916	323060	802767	317473	308913	800736	
	3	323065	802252	316491	308904	308917	323061	804042	317504	308914	800567	
	5	323066	802253	317478	308905	308918	323062	804692	317505	308915	322813	
	10	323111	805239	321801	313412	802354	800121	805017	321800	313410	803407	
	15	323108	805664	807018	802117	806491	801564	804693	323304	318590	803412	
	20	323109	807017	807019	802692	802993	801725	805018	800762	801809	803414	
 SC Duplex	1						323043	802541	802687	313027	322078	
	2						323044	802544	317501	303343	800955	
	3						800835	802545	316490	303344	323200	
	5						323046	802546	317502	303346	323201	
	10						800460	803984	320880	313414	807698	
	15						801968	806061	323329	318589	806047	
	20						802812	803985	808532	800067		



Ordering Information	Description	MOQ	Part Number
010.2197	<p>Splice Holder R30/R40, splice protection ANT Suitable for splice trays radius 30/35/40 mm. Max. capacity: 12 ANT splice protections. Color: black. Material: plastic (PA66). Dimensions: 40x5x35 mm (WxHxD). Supplied: – Splice holder – M3 fastening screw plus plastic screw</p>	10	R30255
030.0096.1	<p>Splice Holder R30/R40, 6x shrink splice protection Suitable for splice trays radius 30/35/40 mm. Max. capacity: 6 heat shrink splice protection. Color: black. Material: plastic (POM). Dimensions: 27x5x37 mm (WxHxD). Supplied: – Splice holder – M3 fastening screw plus plastic screw</p> <p>i Applicable for heat shrinks with a diameter from 2.4 mm up to 2.6 mm.</p>	10	R30039-06
090.3285	<p>Splice Holder R30/R40, 12x shrink splice protection Suitable for splice trays radius 30/35/40 mm. Max. capacity: 12 (2x6) heat shrink splice protection. Color: black. Material: plastic (POM). Dimensions: 34x6.2x32 mm (WxHxD). Supplied: – Splice holder – M3 fastening screw plus plastic screw</p> <p>i Applicable for heat shrinks with a diameter from 2.4 mm up to 2.6 mm.</p>	1	R320246

Ordering Information	Description	MOQ	Part Number
030.0096.1	<p>Splice Holder Kit, heat shrink 65 Suitable for splice trays radius 30/35/40 mm. Max. capacity: per splice holder 6 heat shrink splice protections. Color: black. Material: plastic (POM). Dimensions: 27x5x37 mm (WxHxD). Supplied: – 2 splice holders – 12 heat shrink splice protections 60 mm – Plastic screw</p> <p>i Applicable for heat shrinks with a diameter from 2.4 mm up to 2.6 mm.</p>	1	R319219
010.2196	<p>Splice Holder R30/R40, splice protection 3M Fiberlok™ Capacity of max. 6 3M Fiberlok™ splice protections. Suitable for splice trays radius 30/35/40 mm. Material: plastic (PA66). Color: black. Dimensions: 44x5x37 mm (WxHxD). Supplied: – Splice holder – M3 fastening screw plus plastic screw</p>	10	R30042
030.0094	<p>Splice Protection ANT Crimp splice protection type (ANT) for single fibers. Material: sheet plate parts, inside coated with permanently elastic material. Dimensions: 1.2x3.2x30 mm (WxHxD).</p>	15	R30086
030.0305	<p>Heat Shrink Splice Protection Shrink tube (Ø 3 mm) with metal insert.</p> <p>60 mm 45 mm 35 mm</p>	12 50 10	R30087 R319212 R30087-35

Ordering Information	Description	MOQ	Part Number
030.0099 	Splice Connector 3M Fiberlok™ Mechanical FO splice connector for 250 to 900 µm. Color: black. Material: plastic. Dimensions: 3.8x8.4x28.1 mm (WxHxD).	6	R30089
010.1952 	Mounting Plate 3M Fiberlok™ Mounting tool for use with FO splice connectors 3M Fiberlok™.	1	R304873
030.0101 	Film Hinge Splice Tray R30/R40, For fastening stacked splice trays. Suitable for splice trays radius 30/40 mm. Color: blue. Material: plastic (PA66). Dimensions: 12x5.5x13 mm (WxHxD). blue	10	R30083-BL
030.0058 	Insert Hinge Splice Tray R30, For fastening the splice tray covers. Suitable for splice trays radius 30 mm. Material: plastic (PP). Dimensions: 15x5x18 mm (WxHxD). gray red	10 10	R30005-GU R30005-RT
030.0102 	Module Fixing Strap Splice Tray R30 To tie a maximum of 12 stacked splice trays together. For fast and easy access to the splice trays. For use with splice trays radius 30 mm. Color: white. Material: plastic. Dimensions: 8x5x100 mm (WxHxD).	10	R30247

Ordering Information	Description	MOQ	Part Number
010.0842 	Labeling Strips Splice Tray R30/R40 For labeling the individual splice trays. For use with the splice trays radius 30/40 mm. Color: white. Material: plastic. Dimensions: 75x7x5 mm (WxHxD).	10	R30334
030.0107 	Strain Relief 6 Fibers Ø 1.9-2.1 mm, green For the strain relief of 6 FO individual optical fibers of Ø 1.9 to 2.1 mm. To snap onto splice trays radius 30/40 mm. Color: green. Material: plastic (PC). Dimensions: 25x8x7.5 mm (WxHxD).	10	R30204
090.2988 	Strain Relief 12 Fibers Ø 0.9 mm, red For the strain relief of 2x6 fibers of Ø 0.9 mm. To snap onto splice trays radius 35 mm. Color: red. Material: plastic (PC). Dimensions: 12x6.4x2.5 mm (WxHxD).	10	R320141
030.0104.1 	Strain Relief 24 Fibers Ø 0.9-1.1 mm, red For the strain relief of 24 FO individual optical fibers of Ø 0.9 to 1.1 mm. To snap onto splice tray radius 30/40 mm. Color: red. Material: plastic (PC). Dimensions: 33x6x5.4 mm (WxHxD).	10	R308456
030.0109 	Insert Tool For inserting the fibers into the strain-relief bridge. Color: gray. Material: plastic (ABS).	10	R30084

Outlets
Global Outlets



- Features**
- Suitable for flush-mounted (FM) and duct-mounted (DM) installations, surface-mounted installations on walls and in ducts
 - Plastic halogen-free in acc. with DIN/VDE 0472/815

Ordering Information	Description	MOQ	Part Number
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- FM Global Outlet 88x88,**
Suitable for flush-mounted (FM) and duct-mounted (DM) installations. For use with cover frames and duct covers of Ø 70 mm in diameter or 70x70 mm cutouts. Suitable for backboxes and floorbox module holders of Ø 60 mm mounting tracks. Recommended depth for backboxes and floorboxes min. 70 mm.
Plastic: PC + ABS, halogen-free.
Supplied:
- Cover frame 88x88 mm
 - Faceplate 60x60 mm with SC-Duplex cutout
 - M3x12 screws
 - Blind cover (when used as a 1-port outlet)
 - Mounting plate, steel
 - Label strips, blank
- 2xSC-Duplex, pure white**

10 R316072



- WM Global Outlet 80x80,**
Suitable for surface-mounted installations on walls and in ducts. Housing plus wallplate measures 80x80x67.5 mm. Cable entry at the side or the back. For use with cover frames and duct covers of Ø 60 mm in diameter or 56x56 mm cutouts.
Plastic: PC + ABS, halogen-free.
Supplied:
- Cover frame 80x80 mm
 - Faceplate 60x60 mm with SC-Duplex cutout
 - M3x12 screws
 - Blind cover (when used as a 1-port outlet)
 - Mounting plate, steel
 - Label strips, blank
- 2xSC-Duplex, pure white**

10 R316073



- DM Global Outlet 80x86,**
Suitable for duct-mounted (DM) installations (metal and plastic). For use with duct covers of = 80 mm. Suitable for backboxes and floorbox module holders of Ø 60 mm in diameter or 56x56 mm cutouts. Recommended depth for backboxes and floorboxes min. 70 mm.
Plastic: PC + ABS, halogen-free.
Supplied:
- Cover frame 80x86 mm
 - Faceplate 60x60 mm with SC-Duplex cutout
 - M3x12 screws
 - Blind cover (when used as a 1-port outlet)
 - Mounting plate, steel
 - Label strips, blank
- 2xSC-Duplex, pure white**

10 R316074

Outlets
DM / WM Outlets



- Features**
- FO outlet for the termination of 4 or 8 fibers
 - Snap-on holders for different FO adapters
 - Ideal for pre-terminated and field-terminated cables
 - In certain conditions the Duct Outlet is also suitable for flush-mounted installation

Ordering Information	Description	MOQ	Part Number
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- DM Outlet, 2xSC-Duplex / 4xSC, 4xLC-Duplex**
Color: pure white.
Supplied:
- Outlet
 - Front panels
 - Blind cover
 - Cable tie
 - Installation instructions
- / 4xST**

1 R315798



- WM Outlet, 2xSC-Duplex / 4xSC, 4xLC-Duplex**
Color: pure white.
Supplied:
- Outlet
 - Front panels
 - Blind cover
 - Cable tie
 - Installation instructions
- / 4xST**

1 R315799

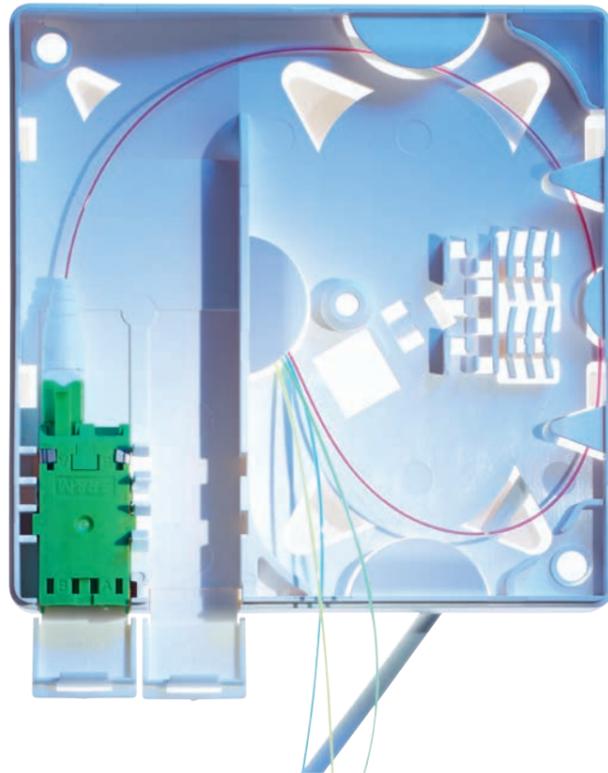
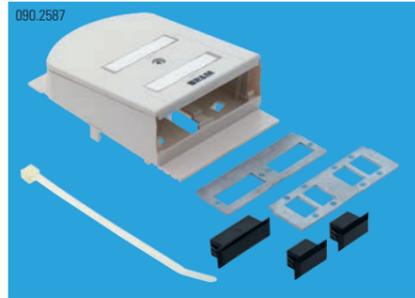
Outlets
Floorbox Outlets



- Features**
- GOF outlet for the termination of 4 or 8 fibers
 - Snap-on holders for different FO adapters
 - Integral cable management in the Floorbox Outlet
 - Ideal for pre-terminated as well as field-terminated cables

i Suitable for various other subfloor systems (Ackermann, Niedax/ Elektraplan and OBO/Bettermann), fiber optics and copper RJ45 combination possible

Ordering Information	Description	MOQ	Part Number
090.2587	FB Outlet, 2xSC-Duplex / 4xSC, 4xLC-Duplex Angled 80° outlet for optimum cable and connector relief. Color: oyster white. Supplied: – Outlet – Front panel – Blind cover – Cable tie – Installation instructions / 4xST	1	R315801



Security System
Security Level 1



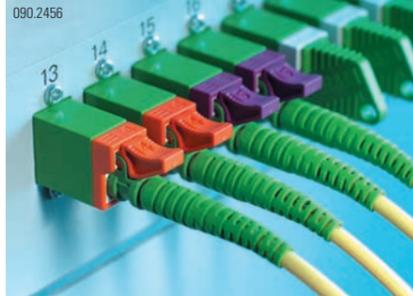
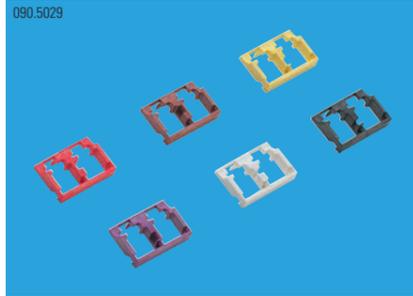
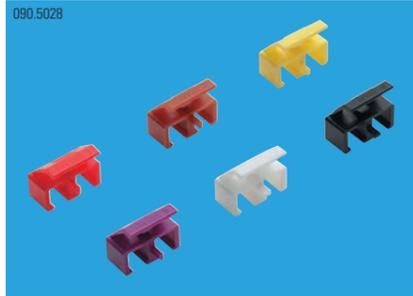
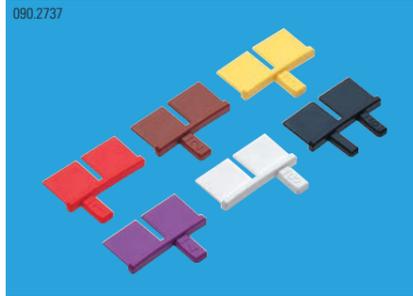
Security level 1 (visual color coding)

The visual color coding supports correct connecting of the respective copper and fiberoptic cables. The color coding clips are easily clipped to connection cables and ports (outlets, patch panels). When applications are reassigned within the network, the color coding elements are simply moved or replaced, no tools needed.

Ordering Information	Description	MOQ	Part Number
010.1713	Snap-in Coding Clip, Color coding clip for snap-in adapters and the multimedia outlet. anthracite blue brown green violet white yellow	10	R302151 R302152 R302153 R302154 R302156 R302157 R302158
090.5200	Frame LC-Duplex Adapter, Color frame for LC-Duplex adapter. violet blue green red black orange beige yellow turquoise	12	R507806 R507809 R507803 R507808 R507804 R507802 R507810 R507807 R507805
090.6519	Color Clip LC Connector, Color clip for LC connector. violet blue green orange beige turquoise	100	R802930 R802926 R802925 R802928 R802929 R802927
090.5199	Color Clip LC-Duplex Connector, Color clip for LC-Duplex connector. violet blue green red black orange beige yellow turquoise	12	R508101 R508104 R508098 R508103 R508099 R508097 R508105 R508102 R508100



Ordering Information	Description	MOQ	Part Number
	Coding Frame SC-RJ Adapter Color coding frame for SC-RJ Adapter. Fitting R&M Smartholes.	12	R310216
	Color Clip SC-RJ Connector, Color coding for SC-RJ patch cord, Fiber Guard, coding frame and Patch Guard. green yellow blue red anthracite turquoise violet orange	12 12 12 12 12 12 12 12 12	R310141 R310142 R310143 R310144 R310145 R310146 R310147 R310148
	Splash Cap Universal IP54, Offering dust protection and color coding to data outlets and patch panels. The cap with its rubber seal provide protection class IP54. Supplied: – Splash cap universal – Rubber seal – Installation manual white blue red yellow green	10 10 10 10 10	R320410 R320411 R320412 R320414 R320415
	Splash Sleeve Universal IP54, Elastic, transparent rubber sleeve suitable for RJ45, FM45 IP20, E-2000™, E-2000™-Compact, LC-Duplex, SC, SC-RJ and SMI patch cords. Together the Splash sleeve universal and the Splash cap universal offer protection class IP54. transparent	10	R320385
	Color Coding IP67, type 06, plastic Color coding clips suitable for RJ45 IP67 connectors, SC-RJ IP67 connectors and adapter frames. Supplied: – 50 coding clips, white – 50 coding clips, blue – 50 coding clips, orange – 50 coding clips, yellow	1	R310262

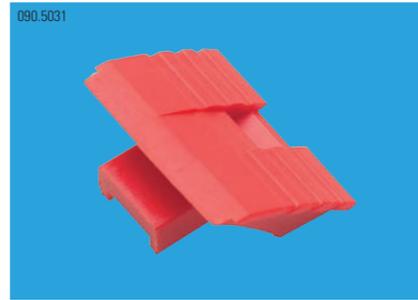
Ordering Information	Description	MOQ	Part Number
	Security level 2 (mechanical-visual plug-in protection) The mechanical-visual coding elements provide additional security on a mechanical level. They simply and effectively prevent cables from being plugged into the wrong ports.		
	Frame LC-Duplex Adapter, Color frame for LC-Duplex adapter with mechanical coding. code 1, red code 2, brown code 3, yellow code 4, violet code 5, white code 6, black	12 12 12 12 12 12	R508108 R508109 R508110 R508111 R508112 R508113
	Color Clip LC-Duplex Connector, Color clip for LC-Duplex connector with mechanical coding. code 1, red code 2, brown code 3, yellow code 4, violet code 5, white code 6, black	12 12 12 12 12 12	R508091 R508092 R508093 R508094 R508095 R508096
	Mechanical Color Pin SC-RJ Adapter, Color coding for SC-RJ adapter. Pin mechanically coded. Can be combined with security system levels 1 and 3. code 1, red code 2, brown code 3, yellow code 4, violet code 5, white code 6, black	12 12 12 12 12 12	R318298 R318302 R318305 R318309 R318310 R318312
	Mechanical Color Clip SC-RJ Connector, Color coding for SC-RJ connector. Clip mechanically coded. Can be combined with security system levels 1 and 3. code 1, red code 2, brown code 3, yellow code 4, violet code 5, white code 6, black	12 12 12 12 12 12	R318280 R318283 R318294 R318295 R318296 R318297



Security level 3 (mechanical plug-out / plug-in protection)

These products introduce future-proof security to network connections. Only trained and authorized staff can release copper or fiber-optic connections. Copper and FO connectors can also be lock-protected for authorized plug-in only.

Ordering Information	Description	MOQ	Part Number
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Plug Guard LC-Duplex Connector

Plug Guard for LC-Duplex connector.

1 R508116



Key Plug Guard LC-Duplex Connector

- Key Plug Guard for LC-Duplex connector.

1 R508117



Fiber Guard SC-RJ Adapter

SC-RJ connection protection for outlets and patch panels.

Fitting R&M Smartholes.

Supplied:

- Fiber Guard
- 1 key per packing unit

12 R310218



Adapter Guard SC-RJ

SC-RJ plug-in protection for outlets and patch panels. Fits Fiber Guard.

12 R313816

Ordering Information	Description	MOQ	Part Number
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Key Plug Guard / Fiber Guard

Key and key-ring to Plug Guard and Fiber Guard.

1 R304828



RACWAY SYSTEM

RELY ON SMART CABLE RACEWAYS

Operators of broadband networks and data centers prefer taking the fast, efficient route. That is also true of raceways in central installations and distribution sites. The installation and re-equipping of fiber optic raceway systems have to proceed as smoothly as possible to save time for productive tasks. You can now switch to the passing lane when it comes to cable raceways. With the Fiber Optic Raceway System from R&M, you take the lead in managing fiber optic links while adding benefits for your own operation. The R&M Raceway System has a smart design: safe, fast, efficient, free of stress, modular, customized and easy to handle.

get more

More safety

- Sturdy component construction
- All-round protection for optical fibers
- Guaranteed bending radius of 30 mm
- Higher network availability
- Material with minimal impact on environment

More efficiency

- Smart, lean range
- Flexible, modular system
- Snap-in installation
- Seamless expansion and retrofitting
- Compatible with non R&M systems

More success

- Reductions of up to 50 % in installation and maintenance costs
- Protects investments in existing cable raceways

Right on track

When you opt for the R&M Fiber Optic Raceway System, your fiber optic cables have a raceway all to themselves. Optical fibers and patch cords are routed to the intended end point the quickest way possible. The raceway keeps up to 6000 fibers right on track.

Leeway in planning

You can place curves, tunnels, junctions or exits anywhere you wish. You enjoy greater leeway in planning thanks to the system's modular approach, smart range and six cross sections from 30 x 50 to 300 x 100.

Quick to install

With the snap-in connections, installation requires no additional special tools, so it is quick and inexpensive. The R&M Raceway System is a great way for you to pick up your pace. You save time while reducing your investment and maintenance costs.

Protected in every respect

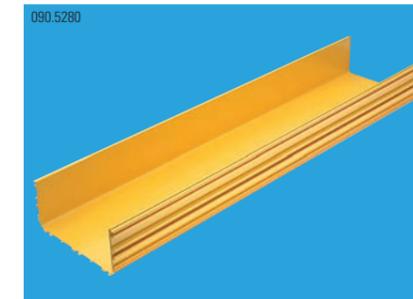
The fibers are reliably laid in the sturdy PC/ABS plastic raceways. The R&M Raceway System with 30 mm bending radius offers every manner of protection: it is resistant to impact and breakage, flame retardant, and resistant to heat, frost and light.

Always in pole position

The R&M Raceway System is always in pole position no matter where optical fibers are guided and distributed, whether in data center or central office, at hub or head station. Integrating legacy or other wire guidance systems is a breeze.



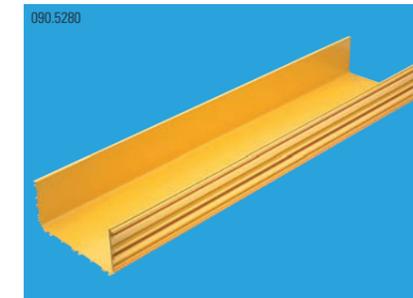
Cable Routing Raceway



Features

- Simple retrofit of covers
- Snap-on joints link the individual components together
- Flame-retardant material: plastic PC/ABS
- Standard color yellow

Ordering Information



Description

Main Duct Raceway

The main duct consists of one single blow-molded piece. Color: yellow.

Material: plastic PC/ABS (halogen-free, flame-retardant).

Ordering Information	Description	MOQ	Part Number
030x050, 1 m		1	R509411
050x050, 1 m		1	R509412
100x100, 1 m		1	R509413
160x100, 1 m		1	R509414
220x100, 1 m		1	R509415
300x100, 1 m		1	R509416
100x100, 2 m		1	R805808
160x100, 2 m		1	R805809
220x100, 2 m		1	R805810
300x100, 2 m		1	R805811



Main Duct Cover Raceway

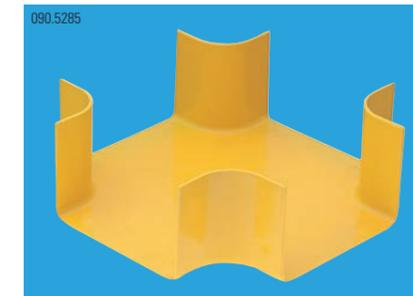
The cover can be retrofitted for additional protection of the optical cable.

Color: yellow.

Material: plastic PC/ABS (halogen-free, flame-retardant).

030x050, 1 m		1	R509510
050x050, 1 m		1	R509511
100x100, 1 m		1	R509512
160x100, 1 m		1	R509513
220x100, 1 m		1	R509514
300x100, 1 m		1	R509515

i Length of 2 m on request.



Cross Raceway

The cross is used to connect four main ducts or other components, linked with snap-on joints.

Color: yellow.

Material: plastic PC/ABS (halogen-free, flame-retardant).

100x100		1	R509417
160x100		1	R509418
220x100		1	R509419
300x100		1	R509420



T-Joint Raceway

The T-joint is used to connect three main ducts or other components, linked with snap-on joints.

Color: yellow.

Material: plastic PC/ABS (halogen-free, flame-retardant).

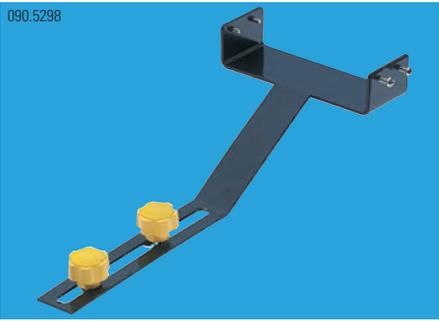
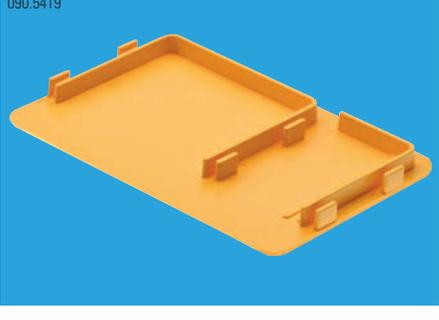
T-Joint Raceway 100x100		1	R509424
160x100		1	R509425
220x100		1	R509426
300x100		1	R509427

Ordering Information	Description	MOQ	Part Number
090.5283	<p>Elbow 45°-H Raceway Used for the horizontal 45° redirecting of cables. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	100x100	1	R509431
	160x100	1	R509432
	220x100	1	R509433
	300x100	1	R510309
090.5282	<p>Elbow 90°-H Raceway Used for the horizontal 90° (2 x 45°) redirecting of cables. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant). Supplied: – 2 elbows 45°-H Raceway – Snap-on joint Raceway</p>		
	100x100	1	R509435
	160x100	1	R509436
	220x100	1	R509437
	300x100	1	R509438
090.5295	<p>Snap-on Joint Raceway For a solid and smooth linking of main ducts and other components. One snap-on joint is required on each end for the horizontal and vertical elbows and also for the cross and T-joints. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	050x050	1	R509469
	100x100	1	R509470
	160x100	1	R509471
	220x100	1	R509472
	300x100	1	R510341
090.5416	<p>Cross Cover Raceway The cover can be retrofitted for additional protection of the optical cable. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	100x100	1	R510306
	160x100	1	R509517
	220x100	1	R509518
	300x100	1	R509519
090.5417	<p>T-Joint Cover Raceway The cover can be retrofitted for additional protection of the optical cable. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	100x100	1	R509520
	160x100	1	R510307
	220x100	1	R510308
	300x100	1	R509523

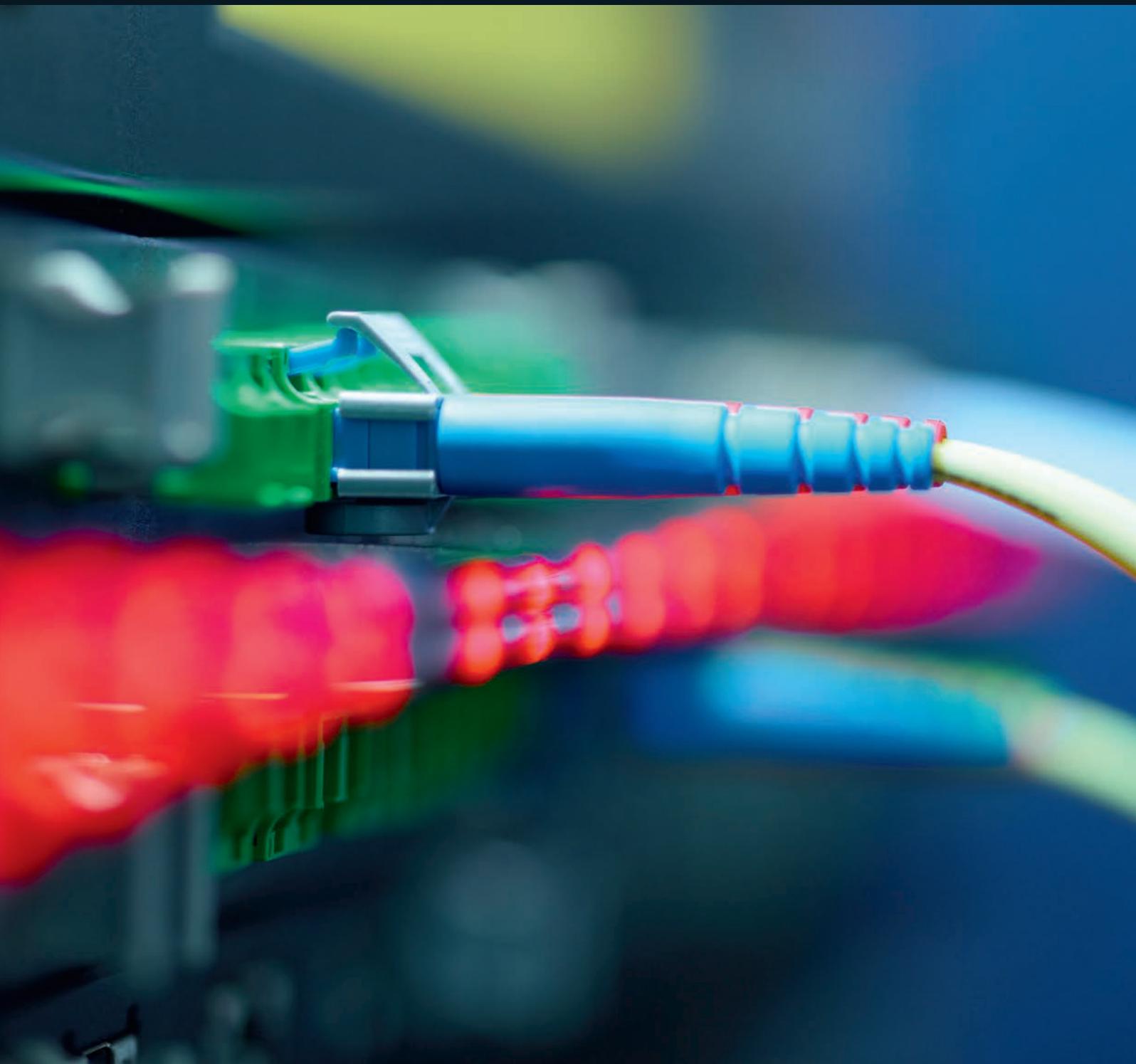
Ordering Information	Description	MOQ	Part Number
090.5420	<p>Elbow 45°-H Cover Raceway The cover can be retrofitted for additional protection of the optical cable. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	100x100	1	R510310
	160x100	1	R510311
	220x100	1	R510312
	300x100	1	R510313
090.5421	<p>Elbow 90°-H Cover Raceway The cover (2 x 45°) can be retrofitted for additional protection of the optical cable. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	100x100	1	R510314
	160x100	1	R509529
	220x100	1	R510315
	300x100	1	R510316
090.5290	<p>Elbow 45°-D Raceway Used for the vertical 45° downward redirecting of cables. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	050x050	1	R509439
	100x100	1	R509440
	160x100	1	R509441
	220x100	1	R509442
	300x100	1	R509443
090.5289	<p>Elbow 90°-D Raceway Used for the vertical 90° (2 x 45°) downward redirecting of cables. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant). Supplied: – 2 elbows 45°-D Raceway – Snap-on joint Raceway</p>		
	050x050	1	R509444
	100x100	1	R509445
	160x100	1	R509446
	220x100	1	R509447
	300x100	1	R509448
090.5291	<p>Elbow 45°-U Raceway Used for the vertical 45° upward redirecting of cables. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	050x050	1	R509449
	100x100	1	R509450
	160x100	1	R509451
	220x100	1	R509452
	300x100	1	R509453

Ordering Information	Description	MOQ	Part Number
090.5292	<p>Elbow 90°-U Raceway Used for the vertical 90° (2 x 45°) upward redirecting of cables. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant). Supplied: – 2 elbows 45°-U Raceway – Snap-on joint Raceway</p>		
	050x050	1	R509454
	100x100	1	R509455
	160x100	1	R509456
	220x100	1	R509457
	300x100	1	R509458
090.5424	<p>Elbow 45°-D Cover Raceway The cover can be retrofitted for additional protection of the optical cable. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	050x050	1	R510317
	100x100	1	R510318
	160x100	1	R510319
	220x100	1	R510320
	300x100	1	R510321
090.5425	<p>Elbow 90°-D Cover Raceway The cover (2 x 45°) can be retrofitted for additional protection of the optical cable. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	050x050	1	R510322
	100x100	1	R509538
	160x100	1	R510323
	220x100	1	R510324
	300x100	1	R510325
090.5422	<p>Elbow 45°-U Cover Raceway The cover can be retrofitted for additional protection of the optical cable. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	050x050	1	R510326
	100x100	1	R509543
	160x100	1	R510327
	220x100	1	R509545
	300x100	1	R509546
090.5423	<p>Elbow 90°-U Cover Raceway The cover (2 x 45°) can be retrofitted for additional protection of the optical cable. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	050x050	1	R510328
	100x100	1	R510329
	160x100	1	R510330
	220x100	1	R509550
	300x100	1	R510331

Ordering Information	Description	MOQ	Part Number
090.5288	<p>Reducer Raceway Used to reduce main ducts and other components to the next smaller size with snap-on joints. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	100x100/050x050	1	R509465
	160x100/100x100	1	R509466
	220x100/160x100	1	R509467
	300x100/220x100	1	R509468
090.5418	<p>Reducer Cover Raceway The cover can be retrofitted for additional protection of the optical cable. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	100x100/050x050	1	R510333
	160x100/100x100	1	R510334
	220x100/160x100	1	R509555
	300x100/220x100	1	R509556
090.5518	<p>Drop Outlet Raceway The drop outlet can be positioned anywhere along the side of the main duct, no snap-on joints needed, and can be connected with various components such as reducers, elbows and trumpets. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	100x100	1	R509459
090.6787	<p>Drop Outlet Vertical Raceway The drop outlet can be positioned anywhere along the side of the main duct, no snap-on joints needed, and can be connected with various components such as reducers, joints and trumpets. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	100x100	1	R807764
090.5294	<p>Trumpet Outlet Raceway The outlet trumpet is the final protective component, taking the fiber-optic cable to the protected area at the minimum radius (30 mm). Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>		
	050x050	1	R509460
	100x100	1	R509461
	160x100	1	R509462
	220x100	1	R509463
	300x100	1	R509464

Ordering Information	Description	MOQ	Part Number
 <p>090.5298</p>	<p>Mounting Kit Raceway For installing the outlet trumped. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant). Supplied: – Mounting bracket – 2 T-bolts – 4 fastening screws</p>	<p>1 1</p>	<p>R509478 R509479</p>
 <p>090.6762</p>	<p>Drop Outlet Cover Raceway The cover can be retrofitted for additional protection of the optical cable. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>	<p>1</p>	<p>R510332</p>
 <p>090.6794</p>	<p>Drop Outlet Vertical Cover Raceway The cover can be retrofitted for additional protection of the optical cable. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>	<p>1</p>	<p>R807765</p>
 <p>090.5419</p>	<p>End Cap Raceway The end cap is used to cap off the open ends of main ducts or other components, no snap-joints needed. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>	<p>1 1 1 1</p>	<p>R510335 R509474 R509475 R509476</p>
 <p>090.5299</p>	<p>T-Bolt Raceway The T-nut slot is used to fasten the mounting kit and the T-bolts mounted on the side or bottom part of main ducts, for a fast and safe mounting of the entire Raceway system. Color: yellow. Material: plastic PC/ABS (halogen-free, flame-retardant).</p>	<p>1</p>	<p>R509480</p>

inteliPhy





Features

- Administration of the cabling infrastructure
- Template-based network modeling
- Client-server based architecture
- Browser-based graphic user interface
- Suitable for installation on client server
- Independent of operating system and data base system
- Open architecture ensures easy integration with 3rd-party software



System requirements:

- Server > 4 GB RAM, 500 GB hard disk
- Operating systems Windows, Linux, Unix
- Databases MySQL, MS SQL, Oracle, IBM DB2, PostgreSQL, HSQLDB
- Client Windows, Mac OSX, Unix, Windows, iOS, Android

Ordering Information	Description	MOQ	Part Number
----------------------	-------------	-----	-------------



R&MinteliPhy Manage In-House, 20 cabinets

License for the installation on client server. Allows the management of 20 network cabinets.

Supplied:

- License for the installation on client server
- Management of 20 network cabinets
- Max. 10 reports
- Max. 20 work orders
- Max. 2 resources
- Max. 12 user-defined attributes

1

R380047



R&MinteliPhy Manage In-House, 500 monitored ports

License for the installation on client server. Allows the management of 500 ports with sensor bars.

Supplied:

- License for the installation on client server
- Management of 500 ports with sensor bars
- Max. 10 reports
- Max. 20 work orders
- Max. 2 resources
- Max. 12 user-defined attributes

1

R380048



R&MinteliPhy Manage In-House, 10 cabinets, expansion

License for the installation on client server. Allows the management of 10 additional network cabinets.

Supplied:

- License for the installation on client server
- Expansion by 10 network cabinets
- Max. 10 reports
- Max. 20 work orders
- Max. 2 resources
- Max. 12 user-defined attributes

1

R380049

Ordering Information	Description	MOQ	Part Number
----------------------	-------------	-----	-------------



R&MinteliPhy Manage In-House, feature upgrade per cabinet

License for the installation on client server. Removes the limitations on reports, work orders, resources and user-defined attributes.



Minimum Order Quantity – Upgrade for 50 Cabinets.

50

R380050



R&MinteliPhy Manage In-House, unlimited edition

License for the installation on client server. Allows the management of an unlimited number of network cabinets. Max. 10 simultaneous users.

Supplied:

- License for the installation on client server
- Unlimited number of network cabinets
- Max. 10 simultaneous users
- Max. 10 reports
- Max. 20 work orders
- Max. 2 resources
- Max. 12 user-defined attributes

1

R380051



R&MinteliPhy Manage In-House, unlimited edition, one additional user

License for the installation on client server. Upgrade for one additional simultaneous user.

Supplied:

- License for the installation on client server
- One additional simultaneous user
- Max. 10 reports
- Max. 20 work orders
- Max. 2 resources
- Max. 12 user-defined attributes

1

R380052



R&MinteliPhy Manage In-House, unlimited edition, feature upgrade

License for the installation on client server. Removes the limitations on reports, work orders, resources and user-defined attributes with the unlimited edition.

1

R380053



Features

- Administration of the cabling infrastructure
- Template-based network modeling
- Client-server based architecture
- Browser-based graphic user interface
- Cloud-based, thus no installation required on customer side
- Open architecture ensures easy integration with 3rd-party software

Client Windows, Mac OSX, Unix, Windows, iOS, Android

Ordering Information	Description	MOQ	Part Number
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R&MinteliPhy Manage SaaS, 20 cabinets, annual fee

Annual fee includes support, software updates / upgrades and templates for cloud-based server. With a management capacity of 20 network cabinets.

Supplied:

- Annual fee for cloud-based server
- Includes support, software updates / upgrades, templates
- Management of 20 network cabinets
- Max. 10 reports
- Max. 20 work orders
- Max. 2 resources
- Max. 12 user-defined attributes

1 R380038



R&MinteliPhy Manage SaaS, 500 monitored ports, annual fee

Annual fee includes support, software updates / upgrades and templates for cloud-based server. With a management capacity of 500 ports with sensor bars.

Supplied:

- Annual fee for cloud-based server
- Includes support, software updates / upgrades, templates
- Management of 500 ports with sensor bars
- Max. 10 reports
- Max. 20 work orders
- Max. 2 resources
- Max. 12 user-defined attributes

1 R380039

Ordering Information	Description	MOQ	Part Number
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R&MinteliPhy Manage SaaS, 10 cabinets, expansion, annual fee

Annual fee includes support, software updates / upgrades and templates for cloud-based server. Allows the management of 10 additional network cabinets.

Supplied:

- Annual fee for cloud-based server
- Includes support, software updates / upgrades, templates
- Expansion by 10 network cabinets
- Max. 10 reports
- Max. 20 work orders
- Max. 2 resources
- Max. 12 user-defined attributes

1 R380040



R&MinteliPhy Manage SaaS, feature upgrade per cabinet, annual fee

Annual fee includes support, software updates / upgrades and templates for cloud-based server. Removes the limitations on reports, work orders, resources and user-based attributes.

Minimum Order Quantity – Upgrade for 50 Cabinets.

50 R380042



R&MinteliPhy Manage SaaS, unlimited, annual fee

Annual fee includes support, software updates / upgrades and templates for cloud-based server. Allows the management of an unlimited number of network cabinets. Max. 10 simultaneous users.

Supplied:

- Annual fee for cloud-based server
- Includes support, software updates / upgrades, templates
- Unlimited number of network cabinets
- Maximum of 10 simultaneous users
- Max. 10 reports
- Max. 20 work orders
- Max. 2 resources
- Max. 12 user-defined attributes

1 R380043



R&MinteliPhy Manage SaaS, unlimited edition, one additional user, annual fee

Annual fee includes support, software updates / upgrades and templates for cloud-based server. Expansion by one additional simultaneous user.

Supplied:

- Annual fee for cloud-based server
- Includes support, software updates / upgrades, templates
- One additional simultaneous user
- Max. 10 reports
- Max. 20 work orders
- Max. 2 resources
- Max. 12 user-defined attributes

1 R380028

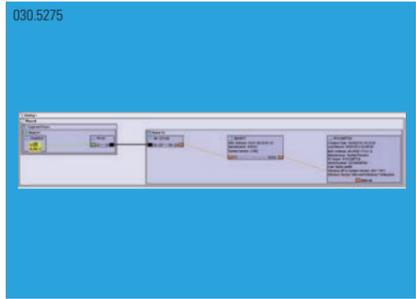
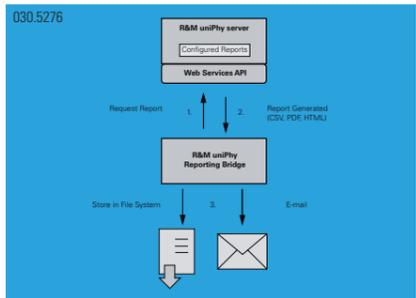
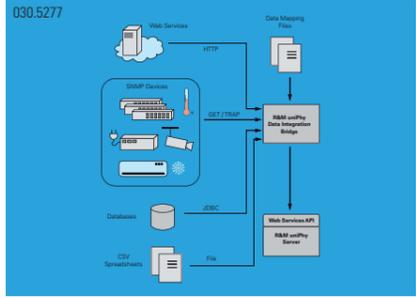
Ordering Information	Description	MOQ	Part Number
	<p>R&MinteliPhy Manage SaaS, unlimited edition, feature upgrade, annual fee Annual fee includes support, software updates / upgrades and templates for cloud-based server. Removes the limitations on reports, work orders, resources and user-defined attributes with the Unlimited Edition.</p>	1	R380044
	<p>R&MinteliPhy Manage SaaS, test server 30 days, 100 cabinets Cloud-based test server for evaluation purposes, with a term of 30 days. Allows the management of 100 network cabinets.</p>	1	R380029
	<p>R&MinteliPhy Manage SaaS, test server, 30 days, 100 cabinets, 2500 monitored ports Cloud-based test server for evaluation purposes, with a term of 30 days. Allows the management of 100 network cabinets and 2500 ports with sensor bars.</p>	1	R380045



Features

- Integration of information provided by 3rd-party systems into the R&MinteliPhy server
- Mapping and evaluation of the information
- Different protocols
- Compatible with in-house and SaaS implementations

i Operating Systems Windows, Linux and Unix.

Ordering Information	Description	MOQ	Part Number
	<p>R&MinteliPhy Manage Bridge, switch data synchronization Tracks end-devices on the basis of forwarding tables in layer-2-switches.</p>	1	R380031
	<p>R&MinteliPhy Manage Bridge, management reporting Generates reports at regular intervals, distributes them by e-mail or stores them on a file server.</p>	1	R380035
	<p>R&MinteliPhy Manage Bridge, data integration Integration of data from 3rd-party systems. Protocols: SNMP, CSV, JDBC and HTTP.</p>	1	R380036



Features

- The RFID reader on the sensor bars reads the information contained on the RFID tags on the patch cords
- Contactless, galvanically isolated transmission
- Compatible with the R&M standard HD patch panel
- Copper or fiber-optic connector

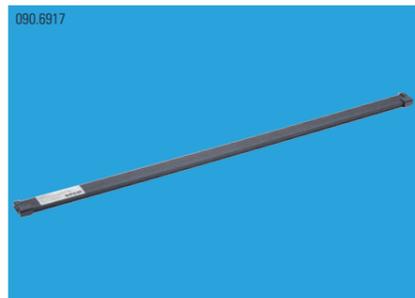
Ordering Information	Description	MOQ	Part Number
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R&MinteliPhy Sensorbar, HD panel Cat.6A, FO (24 / 48 ports)

Sensor bar featuring 48 RFID readers. Suitable for the R&M HD Panel equipped with Cat.6A modules or FO adapters, FiberModules or MPO Modules. Any combination of copper and fiber optic ports is possible.
Supplied:
- Sensor bar featuring 48 RFID readers
- Holder left / right
- Bus cable clip

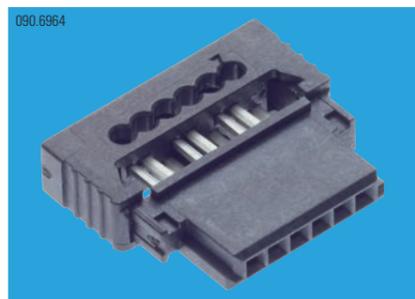
1 R809353



R&MinteliPhy Sensorbar, HD panel Cat.6 (24 ports)

Sensor bar featuring 24 RFID readers. Suitable for the R&M HD Panel equipped with Cat.6 or Cat.5e modules.
Supplied:
- Sensor bar featuring 24 RFID readers
- Holder left / right
- Bus cable clip

1 R809354



R&MinteliPhy Sensorbar, bus connector (qty 10)

Field-assembled connector to connect the bus cable to the sensor bars. Suitable for sensor bars of Cat.6A / fiber optic and Cat.6 / Cat.5e.
Supplied:
- 10 connectors, 6-pole

1 R809364



R&MinteliPhy Sensorbar, mounting kit spare parts (qty 10)

Holders for installing the sensor bar on the R&M HD patch panel.
Supplied:
- 10 holders left
- 10 holders right

1 R809355



Features

- Aggregates information from all sensor bars connected to it
- Forwards the information to the R&MinteliPhy Manage Server
- Power supply of the sensor bars
- Field-assembled bus cable

Ordering Information	Description	MOQ	Part Number
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R&MinteliPhy Analyzer, 19" 1U

Analyzer to be mounted in 19" network cabinets. Features LCD display and Ethernet interface. Controls up to 42 sensor bars.
Supplied:
- 19" 1U Analyzer
- 3 Analyzers / bus termination connectors
- 2 bus terminations
- Installation instructions

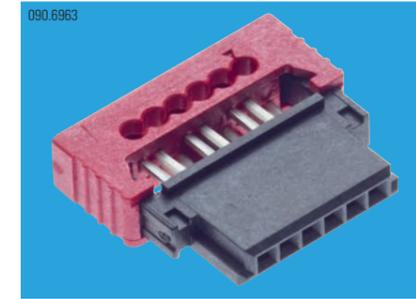
1 R809356



R&MinteliPhy Analyzer, compact 0U

Analyzer featuring Ethernet interface to be mounted (DIN-35mm top hat rail mounting) in the network cabinet. Controls up to 42 sensor bars.
Supplied:
- 0U Analyzer
- 3 Analyzers / bus termination connectors
- 2 bus terminations
- Installation instructions

1 R809357



R&MinteliPhy Analyzer / Bus Termination, connector, spare part (qty 10)

Field-assembled connectors to connect the Analyzer and the bus terminations at the bus cable.
Supplied:
- 10 connectors, 6-pole

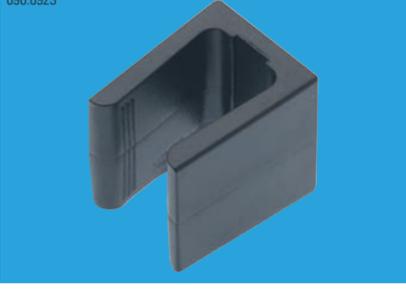
1 R809358

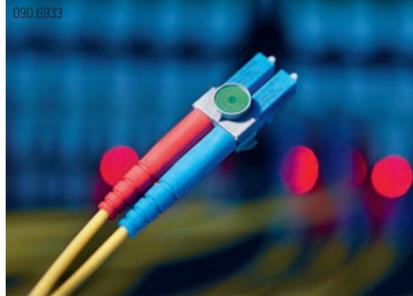
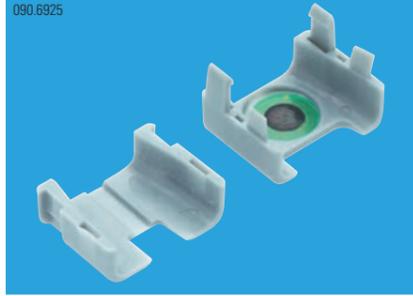
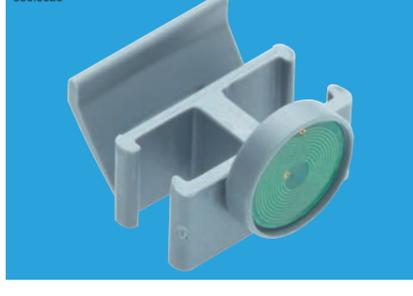


R&MinteliPhy Analyzer, bus termination, spare part (qty 10)

Termination resistors for the bus termination.
Supplied:
- 10 bus terminations

1 R809359

Ordering Information	Description	MOQ	Part Number
	R&MinteliPhy Analyzer, power supply 10W For the power supply of up to 5 sensor bars. Compatible with all sensor bars and analyzers. Supplied: – Power supply unit 10W, 12V, incl. connection cable – 4 plug inserts (Euro, UK, US, JP)	1	R809360
	R&MinteliPhy Analyzer, power supply 70W For the power supply of up to 42 sensor bars. Compatible with all sensor bars and analyzers. Supplied: – Power supply unit 70W incl. connection cable Schuko on C13	1	R809362
	R&MinteliPhy Bus Cable, 25m 6-wire bus cable to connect analyzer and sensor bar. Length 25 m, for up to 10 network cabinets.	1	R809363
	R&MinteliPhy Bus, wiring tool For the field assembly of the bus connectors on the sensor bars and the bus termination connectors on the analyzers.	1	R809365
	R&MinteliPhy Bus Cable, clip spare part (qty 10) Covers for the bus connector at the sensor bar. Supplied: – 10 bus cable clips	1	R810223

Ordering Information	Description	MOQ	Part Number
	Features – Field-retrofitable onto standard R&M patch cords – Tool-free mounting – Suitable for different connector types – Clear cable identification – Connector type identification		
	R&MinteliPhy RFID, clip pair RJ45 (10 pairs) For the tool-free retrofitting of 10 RJ45 patch cords with R&MinteliPhy functions. Compatible with R&M patch cords. Supplied: – Carton box containing 10 pairs of clips	1	R809348
	R&MinteliPhy RFID, clip pair E-2000™ (10 pairs) For the tool-free retrofitting of 10 E-2000™ patch cords with R&MinteliPhy functions. Compatible with R&M patch cords. Supplied: – Carton box containing 10 pairs of clips	1	R809350
	R&MinteliPhy RFID, clip pair LC-Duplex (10 pairs) For the tool-free retrofitting of 10 LC-Duplex patch cords with R&MinteliPhy functions. Compatible with R&M patch cords. Supplied: – Carton box containing 10 pairs of clips	1	R809349
	R&MinteliPhy RFID, clip pair SC (10 pairs) For the tool-free retrofitting of 10 SC patch cords with R&MinteliPhy functions. Compatible with R&M patch cords. Supplied: – Carton box containing 10 pairs of clips	1	R809351

Ordering Information

Description

MOQ

Part Number

090.6967



R&MinteliPhy RFID, clip pair MPO (10 pairs)

For the tool-free retrofitting of 10 MPO patch cords with R&MinteliPhy functions. Compatible with R&M patch cords.

Supplied:

- Carton box containing 10 pairs of clips

1

R809352



19" Cabinets

كباين معلومات ١٩ بوصة





Cabinet Eco (CME)
Features

- Simple construction
- Load capacity of up to 400kg
- Standard cable cut-outs in cabinet ceiling & floor
- Optionally with ventilator cut-out in ceiling

Description	MOQ	Part Number
-------------	-----	-------------

19" Cabinet CME 42U

A very strong and sturdy cabinet system designed for use in network environments.

- Supplied:
- 2 pairs of 19" profiles (front/back)
 - Swing handle with lock
 - Front door with glass window
 - Back panel with cable cut-out

800x800 mm	10	R512783
- Back door with sheet steel		
800x800 mm	10	R512784



Cabinet Optimal (CMO)
Features

- Strong and sturdy construction
- Load capacity of up to 500kg
- Several cable cut-outs in cabinet ceiling & floor
- Optionally with ventilator cut-out in ceiling

Description	MOQ	Part Number
-------------	-----	-------------

19" Cabinet CMO 42U,

A very strong and sturdy cabinet system designed for use in data centers and server rooms.

- Supplied:
- 2 pairs of 19" profiles (front/back)
 - Swing handle with lock
 - Front door with glass window
 - Back door with sheet steel

800x800 mm	10	R512785
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Cabinet Premium (CMD)
Features

- Strong and sturdy construction
- Allows flexible configuration
- Load capacity of up to 500kg
- Various cable cut-outs in cabinet ceiling & floor

Description	MOQ	Part Number
-------------	-----	-------------

19" Cabinet CMD 42U,

A very strong and sturdy cabinet system designed for use as server cabinet in data centers.

- Supplied:
- 2 pairs of 19" profiles (front/back)
 - Swing handle with lock
 - Front door with glass window
 - Back door, sheet steel

800x800 mm	10	R513203
800x1000 mm	10	R513205
- Back door, ventilated 83%		
800x800 mm	10	R513202
800x1000 mm	10	R513204



Cabinet Robust (CMS)
Features

- Strong and sturdy construction supporting heavy active devices
- Load capacity of up to 1000kg
- Several cable cut-outs in cabinet ceiling and floor
- Optionally with ventilator cut-out in ceiling

Description	MOQ	Part Number
-------------	-----	-------------

19" Cabinet CMS 42U,

A very strong and sturdy cabinet system designed for use as server cabinet in data centers.

- Supplied:
- 2 pairs of 19" profiles (front/back)
 - Swing handle with lock
 - Front door ventilated 83%
 - Back door ventilated 83%

800x800 mm	10	R512789
800x1000 mm	10	R512790
600x800 mm	10	R512786
600x1000 mm	10	R512787
600x1200 mm	10	R512788



Open Frame (CMF)
Features

- Strong and sturdy construction supporting heavy active devices
- Depth-adjustable
- Load capacity of up to 1500kg

Description	MOQ	Part Number
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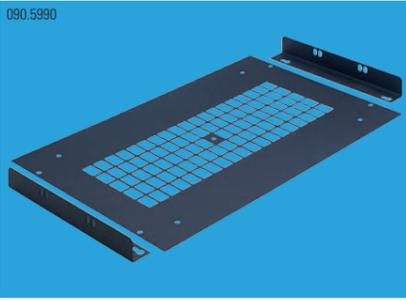
19" Open Frame CMF 42U,

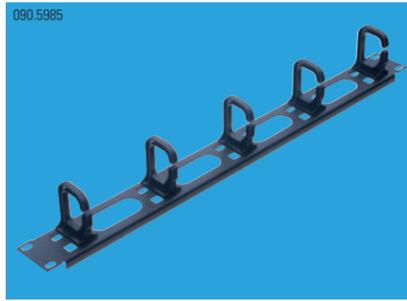
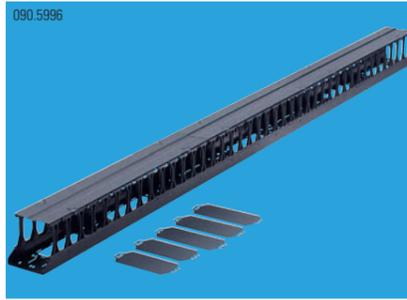
An alternative to a closed server cabinet, this open frame has a load capacity of up to 1500kg (at distributed load). It features two 19" mounting levels and is the ideal solution in a lockable and dust-free server room.

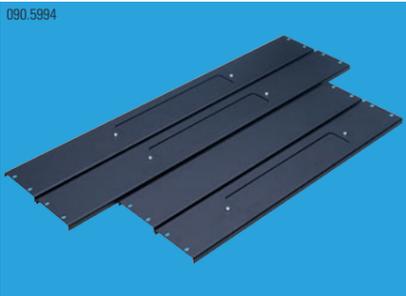
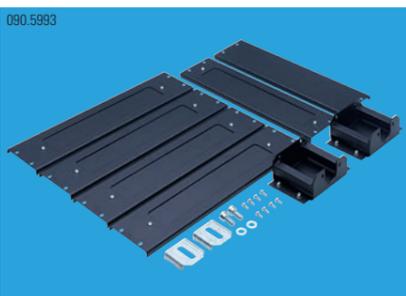
- Supplied:
- 2 pairs of 19" profiles (front/back)
 - 19" profiles bearing height unit marking
 - Base featuring tilt stopper

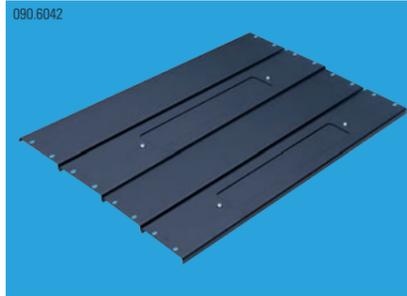
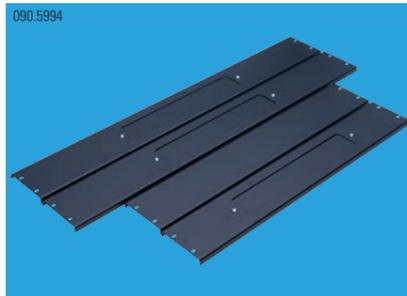
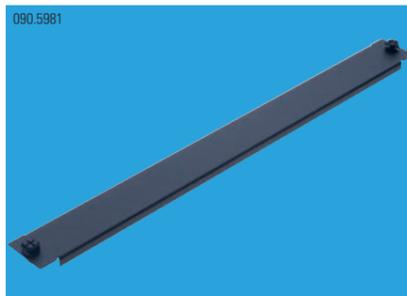
550x710-890 mm	10	R513206
550x920-1100 mm	10	R513207



Ordering Information	Description	MOQ	Part Number
	<p>19" Fan 250V/38W, Ventilation units and fans are used to enhance airflow for improved cooling of equipment installed in racks. Ventilation units are mounted either on 19" vertical extrusions (horizontally) or in top or bottom frame of the rack (mounting kit required). Supplied: – Fan unit – Thermostat of 0°C -60°C – Mounting bracket for horizontal 19" mounting – Mounting screws 210m³/h, black</p>	10	R513235
	<p>19" Fan 250V/76W, 420m³/h, black</p>	10	R513238
	<p>Mounting Kit Fan 250V/38W, Allow the mounting of fan into floor or ceiling constructions. Supplied: – Mounting bracket kit – Perforated mounting plate 600/800/1200 mm (depth cabinet) 1000 mm (depth cabinet) i Suitable for cabinet types: CME, CMO, CMS and CMD.</p>	10 10	R513236 R513237
	<p>Mounting Kit Fan 250V/76W, Allow the mounting of fan into floor or ceiling constructions. Supplied: – Mounting bracket kit 600/800/1200 mm (depth cabinet) i Suitable for cabinet types: CME, CMO, CMS and CMD. – Perforated mounting plate 1000 mm (depth cabinet) i Suitable for cabinet types: CMS and CMD.</p>	10 10	R513239 R513240
	<p>Air Sealing 42U, The air sealing vertical reduces air circulation within the cabinet. Supplied: – 2 frames, long – 2 frames, short – Sealing material CMO 800 mm (wide cabinet) CMS 600 mm (wide cabinet) CMS 800 mm (wide cabinet)</p>	20 20 20	R513228 R513229 R513230
	<p>Air Deflector 800x800x150 mm The air deflector is mounted in the cabinet floor. It directs the air to the space between door and active equipment. Air Deflector 800x800x150 mm i Suitable for cabinet types: CMO and CMD with depth 800 mm. Air Deflector 800x1000x150 mm i Suitable for cabinet type: CMD with depth 1000 mm.</p>	20 20	R513231 R513232

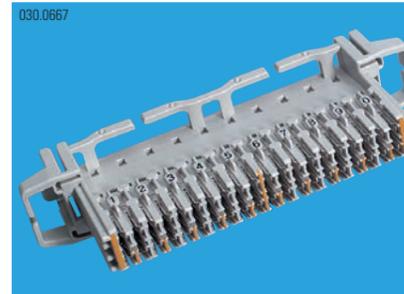
Ordering Information	Description	MOQ	Part Number
	<p>19" Cable Management Plastic Horizontal 19" patch cord manager for patch cord guidance in the cabinet system. Supplied: – Patch cord guide panel – Mounting screws 1U, black 2U, black</p>	20 20	R513233 R513234
	<p>19" HD Cable Management These high-density cable managers can be used for both vertical as well as horizontal cable guidance in the cabinet. Thanks to the featured cable management fingers, their use as strictly front-sided cable guidance is achieved fast and easily. Supplied: – 19" cable guide with fingers – 19" mounting set 1U, 112 OFR, black 2U, 112 OFR, black 3U, 112 OFR, black 1U, 110 OFR, open, black/gray 1U, 110 OFR, staggered, black/gray 1U, 110 OFR, staggered, open, black/gray 2U, 110 OFR, black/gray 2U, 110 OFR, open, black/gray</p>	20 20 20 1 1 1 1 1	R513208 R513209 R513210 R795519 R795375 R795438 R795452 R795453
	<p>HD Cable Management 42U These high-density cable managers can be used for both vertical as well as horizontal cable guidance in the cabinet. Thanks to the featured cable management fingers, their use as strictly front-sided cable guidance is achieved fast and easily. Supplied: – Vertical cable guide with fingers – 19" mounting kit Cabinet, black Open Frame CMF, black</p>	20 20	R513211 R513213
	<p>HD Cable Management Traverse To establish a horizontal traverse between two vertical cable managers. Cabinet, black Open Frame CMF, black</p>	20 20	R513265 R513214

Ordering Information	Description	MOQ	Part Number
090.6018 	Space Optimization 42U, The end section is located at the end of a row of racks. The space optimization provides planning flexibility for data centers. The 300 mm wide section increases the usable space for cable and component installation on little floor space. Supplied: – Welded frame structure (with out side panels) – Front and rear panel with a lock – Cable inlets in the top and bottom cover 300x1000 mm	20	R513212
	i Suitable for cabinet types: CMS and CMD with depth 1000 mm.		
090.6029 	Plinth Kit 100 mm, 300x1000 mm Plinth kit complete. Supplied: – 2 side panels – Angled front panel – Angled rear panel – Fastening material	20	R513221
	i Suitable for space optimization.		
090.5992 	Plinth Corner Kit 100 mm, These modular bases allow the lifting of the cabinet system. The plinth consists of plinth corners and side panels. Supplied: – 4 Plinth corners – Fastening material 800 kg (load rating) 1700 kg (load rating)	20 20	R513215 R513216
	i Suitable for cabinet types: CME, CMO, CMS and CMD.		
090.5994 	Side Panels Kit 100 mm, 600x800 mm The plinth consists of plinth corners and side panels. Supplied: – 2 side panels – Front panel – Rear panel	20	R513217
	i Suitable for cabinet type: CMS.		
090.5993 	Side Panels Kit 100 mm, 600x1200 mm The plinth consists of plinth corners and side panels. Supplied: – 4 side panels – 2 connecting pieces with fastening material – Front panel – Rear panel	20	R513218
	i Suitable for cabinet type: CMS.		

Ordering Information	Description	MOQ	Part Number
090.6042 	Side Panels Kit 100 mm, 800x800 mm The plinth consists of plinth corners and side panels. Supplied: – 2 side panels – Front panel – Rear panel	20	R513219
	i Suitable for cabinet types: CME, CMO, CMS and CMD.		
090.5994 	Side Panels Kit 100 mm, 800x1000 mm The plinth consists of plinth corners and side panels. Supplied: – 2 side panels – Front panel – Rear panel	20	R513220
	i Suitable for cabinet types: CMS and CMD.		
090.5981 	19" Blind Plate Blind cover to reduce air circulation. The blind cover is mounted and removed without tools. 1U, black 2U, black 3U, black 5U, black	20 20 20 20	R513224 R513225 R513226 R513227
090.5986 	19" Socket Strip 250V/16A, 9x SCHUKO A power distribution strip for the power supply of active devices with nominal voltage 250V. Supplied: – Power distribution with 9 type SCHUKO sockets – 19" mounting bracket	20	R513242
	i With out over voltage protection.		
090.5979 	Cable Guide Cabinet, 300x100 mm Cable guide panels for cable entry into the cabinet system. Featured brushes guarantee a dust-free cable entry.	20	R513222
	i Suitable for cabinet types: CME, CMO, CMS and CMD.		
	Cable Guide Raised Floor, 410x215 mm	20	R513223

Connection System Connection Modules

030.0667



Features:

- To snap onto back mount frames or mounting profiles
- Packing density of up to 4200 pairs/m²
- Wiring in IDC technology without expensive tools
- Gold-plated contacts
- Protection components ensure permanent person and equipment protection
- Protection components are plugged in at the front
- Contacts for disconnection and testing at the front
- Module bodies made of one piece

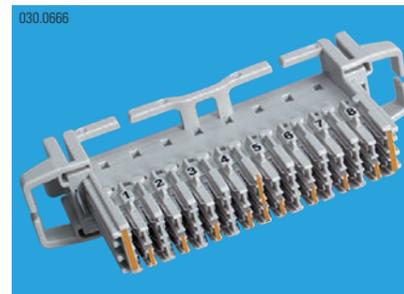
Ordering Information

Description

MOQ

Part Number

030.0666



8-Pair Module

Grid size: 20 mm.

Supplied:

- VS Compact module, printed
- Installation instructions
- Mini tool (wiring tool)

Connection Module 8 pairs (20 mm)

10

R300035

Disconnection Module 8 pairs (20 mm)

10

R300036

Normally Open Module 8 pairs (20 mm)

10

R300037

030.0667



10-Pair Module

Grid size: 20 mm.

Supplied:

- VS Compact module, printed
- Installation instructions
- Mini tool (wiring tool)

Connection Module 10 pairs (20 mm)

10

R300039

Disconnection Module 10 pairs (20 mm)

10

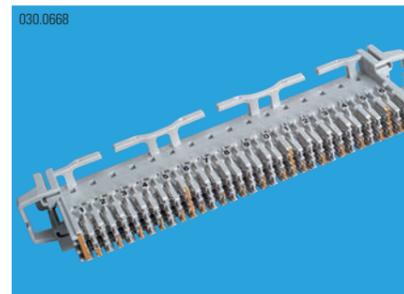
R300040

Normally Open Module 10 pairs (20 mm)

10

R300041

030.0668



16-Pair Module

Grid size: 25 mm.

Supplied:

- VS Compact module, printed
- Installation instructions
- Mini tool (wiring tool)

Connection Module 16 pairs (25 mm)

10

R300045

Disconnection Module 16 pairs (25 mm)

10

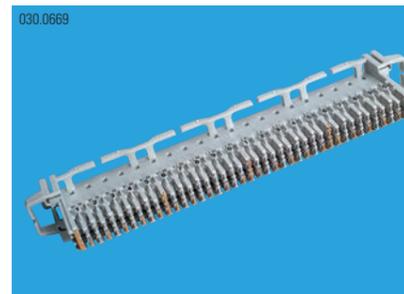
R300046

Normally Open Module 16 pairs (25 mm)

10

R300047

030.0669



20-Pair Module

Grid size: 25 mm.

Supplied:

- VS Compact module, printed
- Installation instructions
- Mini tool (wiring tool)

Connection Module 20 pairs (25 mm)

10

R300049

Disconnection Module 20 pairs (25 mm)

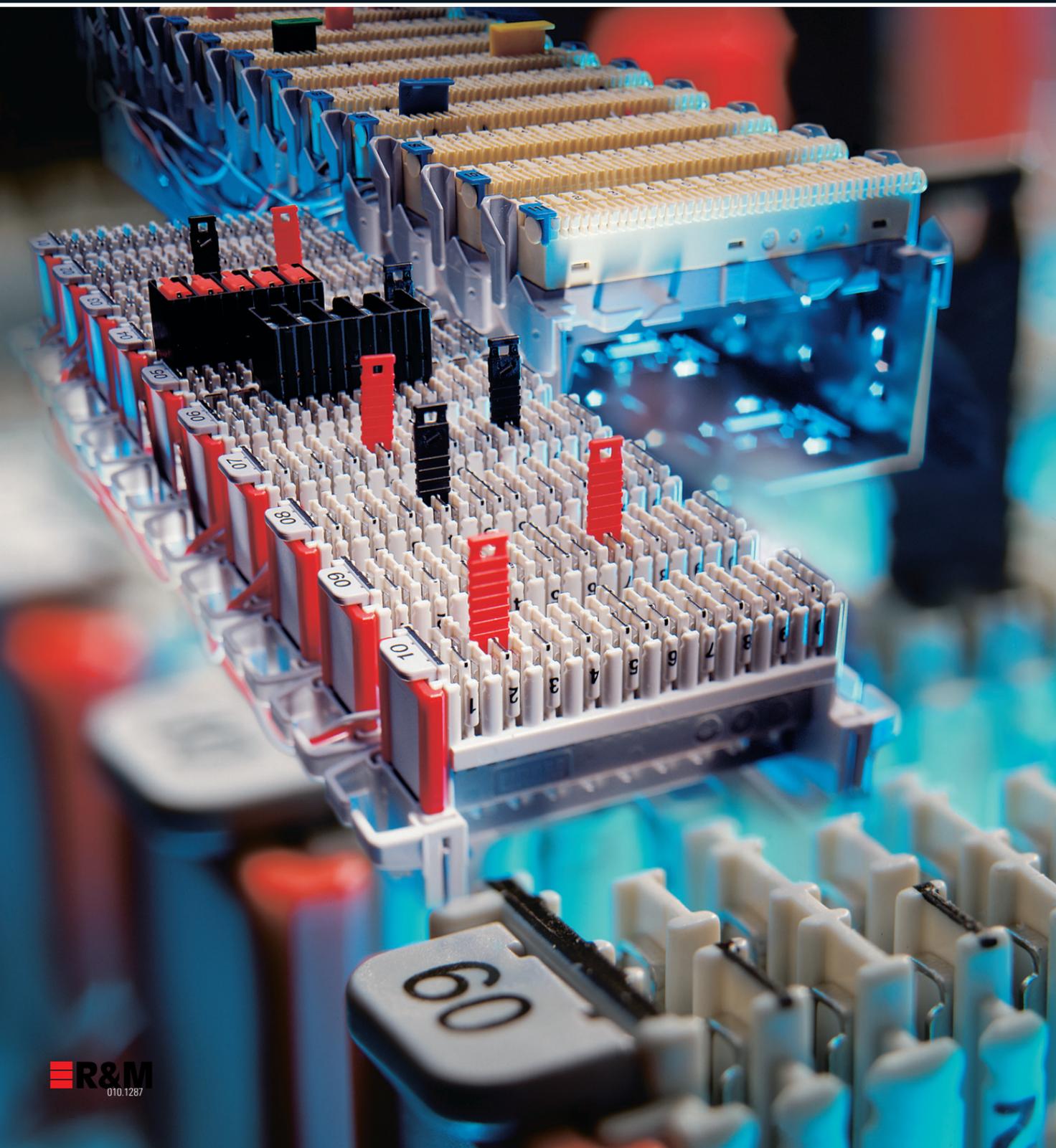
10

R300050

Normally Open Module 20 pairs (25 mm)

10

R300051

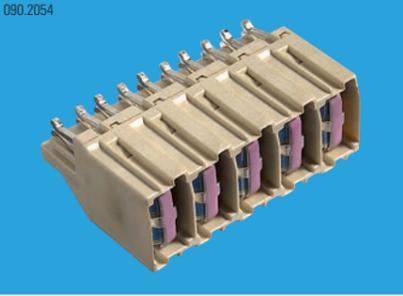
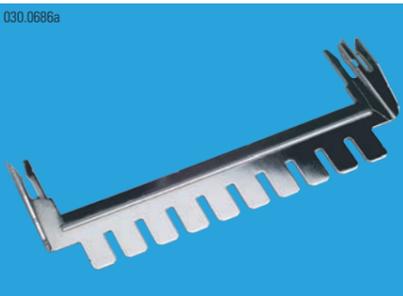
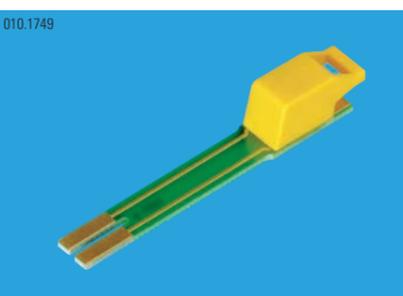


Ordering Information	Description	MOQ	Part Number	
010.2188	25-Pair Module Grid size: 25 mm. Supplied: – VS Compact module, printed – Installation instructions – Mini tool (wiring tool)			
		Connection Module 25 pairs (25 mm)	10	R300674
		Disconnection Module 25 pairs (25 mm)	10	R300675
		Normally Open Module 25 pairs (25 mm)	10	R300757
030.0672	10-Pair Module (17.5 mm) Grid size: 17.5 mm. Supplied: – VS Compact module, printed – Installation instructions – Mini tool (wiring tool)			
		Connection Module 10 pairs (17.5 mm) Disconnection Module 10 pairs (17.5 mm)	10 10	R300043 R300044
010.1845	8-Pair DDF Module The DDF modules are used for high transmission rates (XDSL). 8 lines (8 times a, b, s) can be connected on one DDF module. The shield plate inserted from rear connects s-contact directly with back mount frame or mounting profile, guaranteeing top grounding contact quality. Grid size: 25 mm. Supplied: – VS Compact module, printed – Installation instructions – Mini tool (wiring tool)			
		Disconnection Module DDF 8 pairs (25 mm)	10	R302788
010.2233	Shield Plate DDF, type C For VS Compact DDF modules 8 (16) pairs offering the option of directly contacting cable screen and shield plate. Supplied: – Shield plate DDF, type C – Sleeve screen for small cable diameters – Shield contact spring – 2 cable ties			
			10	R304383
010.1848.1	Shield Plate DDF Shield plate DDF for VS Compact DDF modules.	10	R302704	

Ordering Information	Description	MOQ	Part Number	
010.1834.1	Grounding Module Kit To convert a VS Compact connection module into an grounding module. The grounding plates are plugged in at the module's back, safely avoiding contact with back mount frames or mounting profiles. Supplied: – Grounding plate – 2 labeling clips, red – 2 clips indicating ground			
		10 pairs	10	R300466
		16 pairs	10	R302184
		20 pairs	10	R300467
		25 pairs	10	R306615
030.0674	Disconnection Plug To disconnect the lines between cable side and jumper side in disconnection modules. Material: POM.			
		1 pair, black	100	R300067
		5 pairs, black	20	R302606
		8 pairs, black	20	R302607
		10 pairs, black	20	R302608
030.0675	Marking Plug 1 pair, To identify individual lines, suitable for all VS Compact modules. Ideal for protection from inadvertent disconnection in disconnection modules. Material: plastic (POM).			
		red	100	R300066
		blue	100	R306376
090.2125	Marking Cap 1 pair, To mark individual pairs. Simply snapped onto VS Compact modules. Patching and testing still possible when snapped on. Material: plastic (PP).			
		green	100	R309931

Ordering Information	Description	MOQ	Part Number
030.0678	<p>Designation Clip. For the labeling of all VS Compact modules. Can be snapped on at both sides of a module. Supplied: – 20 designation clips – Labeling sheet</p> <p>red black yellow blue</p>	20 20 20 20	R300292 R300293 R300294 R300295
030.0679.1	<p>Numbering Clip For the numbering of the modules. To be snapped onto the side.</p> <p>01-10, gray 00-90, gray 20-200, gray 100-(1)000, gray</p>	10 10 10 10	R300065 R301920 R303416 R303417
030.0679.1	<p>Numbering Clip Binary code. For the numbering of the modules. To be snapped onto the side.</p> <p>08-80, gray 88-160, gray 16-160, gray 176-320, gray 0-18, gray</p>	10 10 10 10 10	R303418 R303419 R303420 R303421 R306786
010.1743	<p>Module Label Holder Suitable for all VS Compact modules. Allows the individual labeling of modules. Patching side and test point remain accessible. Supplied: – Module label holder – Label sheet for module labeling – Label sheet for label holder</p> <p>10 pairs 16 pairs 20 pairs 25 pairs</p>	10 10 10 10	R302514 R302515 R302516 R305215

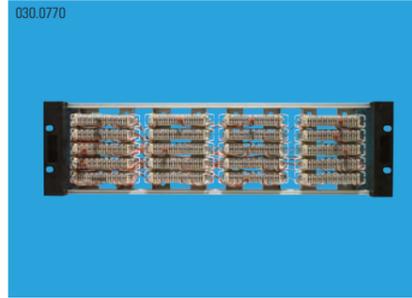
Ordering Information	Description	MOQ	Part Number
010.1800	<p>Hinged Label Holder Suitable for all VS Compact modules. Supplied: – Side element, right/left – Hinged holder of label strip – Label strips – Transparent cover</p> <p>8 pairs 10 pairs 16 pairs 20 pairs 25 pairs</p>	10 10 10 10 10	R100622 R100623 R100641 R100642 R101390
030.0775	<p>Label Holder For the labeling of blocks and verticals. Directly attachable to mounting profiles. Dimensions: width x grid size (mm). Supplied: – Label holder frame and cover – Labeling strips</p> <p>8 pairs, 64x20 10 pairs, 78x20 10 pairs, 78x17.5 16 pairs, 120x25 20 pairs, 148x25 25 pairs, 184x25</p>	10 10 10 10 10 10	R300664 R300665 R302017 R300666 R300667 R305208
030.0773	<p>Single Blind Cover To cover individual unused ports at the distributor. Dimensions: width x grid size (mm).</p> <p>10 pairs, 78x20 16 pairs, 120x25 25 pairs, 184x25</p>	10 10 10	R301047 R301048 R311841

Ordering Information	Description	MOQ	Part Number
090.2053 	Protection Magazine 1 pair, equipped Suitable for all VS Compact modules. Supplied: – Protection magazine, empty – 3-electrode arrester 6x8 mm, 2x5 kA, 230 V – Installation instructions with arrester without failsafe (FS) with arrester with FS plus FS display	10 10	R304955 R304957
090.2054 	Protection Magazine 5 pairs, equipped Suitable for all VS Compact modules from 5 pairs up. Supplied: – Protection magazine, empty – Five 3-electrode arresters 6x8 mm, 2x5 kA, 230 V – Installation instructions with arrester without failsafe (FS) with arrester with FS plus FS display	10 20	R304956 R304958
030.0686a 	Grounding Rail Connects protection magazine and ground of the VS Compact back mount frame. The grounding plates are plugged in at the front of the modules. 10 pairs 16 pairs 20 pairs 25 pairs	10 10 10 10	R300092 R300094 R300095 R305209
010.1750 	3-Electrode Arrester Suitable for 1-pair and 5-pair VS Compact protection magazines. Supplied: – 3-electrode arrester 6x8 mm, 2x5 kA, 230 V without failsafe (FS), 230 V with FS and FS display, 230 V	100 500	R300231 R300233
010.1749 	Protection Plug PTC 1-pair protection plug with reversible PTC overcurrent protection elements and test contact. Suitable for VS Compact disconnection and normally open modules. 150 mA 150 mA, short	10 10	R300063 R302977
	i PTC, 150 mA, short, not suitable for modules of grid size 17.5 mm		

Ordering Information	Description	MOQ	Part Number
090.2262 	Features – Double packing density in distribution systems – More protection and safety for connections – Modular and convenient installation – The same wiring tool as with VS Compact modules can be used – Category 5e performance – Protection against environmental factors such as dirt and dampness with the handy gel kit		
010.3574 	SLIM Connection Module 10-pair connection module with cable cover. Supplied: – Connection module – Cable cover (R312729) Per packing unit: – Wiring tool "Mini Tool" (R300068) – Installation instructions 10 pairs	10	R312544
090.2257 	SLIM Cable Cover The cable cover is included with the connection module. It can also be ordered separately as a spare part. 10 pairs	10	R312729
090.2258 	SLIM Front Cover The front cover provides additional contact protection. Labeling field included. 10 pairs	10	R312728
010.3575 	SLIM Gel Kit To increase protection by filling the cable cover and front cover on site. Supplied: – Bottle of gel (soft polymer) – 10 front covers (R312728) – Installation instructions	1	R312727

Patch Panels
19" Sub-Racks

لوحات التجميع
لوحات التجميع عرض 19 بوصة



Ordering Information	Description	MOQ	Part Number
030.0770			
010.2240	<p>19" Sub-Rack, 3U Used for fastening the mounting profiles for VS Compact modules. The sub-rack accepts 2 to 4 mounting profile kits, depending on module size. Maximum capacity:</p> <ul style="list-style-type: none"> - 4 19" splitter back mount frames. - 4 mounting profile kits, 8/10 pairs. - 3 mounting profile kits, 16 pairs. - 2 mounting profile kits, 20/25 pairs. <p>Supplied:</p> <ul style="list-style-type: none"> - 19" sub-rack, empty - Grounding flex plus M5 cable lug - M5 x 10 grounding flex fastening screw - 19" mounting kit (4 screws, plastic washers, cage nuts) - Installation instructions 	1	R300662
010.2234	<p>19" Mounting Profile Kit, 17.5 mm Mounting profiles fitting empty 19" 3U sub-racks. Maximum capacity:</p> <ul style="list-style-type: none"> - 7 modules of grid size 17.5 mm. <p>Supplied:</p> <ul style="list-style-type: none"> - 2 mounting profiles for 19" sub-racks - Mounting kit (4 screws, washers) - 2 cable ties, large 	1	R301943
010.2234	<p>19" Mounting Profile Kit, 20/25 mm Mounting profiles fitting empty 19" 3U sub-racks. Maximum capacity:</p> <ul style="list-style-type: none"> - 6 modules of grid size 20 mm. - 5 modules of grid size 25 mm. <p>Supplied:</p> <ul style="list-style-type: none"> - 2 mounting profiles for 19" sub-racks - Mounting kit (4 screws, washers) - 2 cable ties, large 	1	R300663

Patch Panels
19" Sub-Racks

لوحات التجميع
لوحات التجميع عرض 19 بوصة

Ordering Information	Description	MOQ	Part Number
090.2931	<p>19" Sub-Rack 2x25 pairs, 1U Complete 1U sub-rack to accommodate two VS Compact 25 pairs connection modules. Supplied:</p> <ul style="list-style-type: none"> - 19" rack - 19" mounting kit 	1	R315707
010.1863	<p>19" Patch Cord guide panel, 1U The patch cord guide panel ensures a neatly structured patch wire management between distribution fields. Supplied:</p> <ul style="list-style-type: none"> - Patch cord guide panel, 1U, recessed (aluminum) - 4 jumpering brackets - 19" mounting kit 	1	R302705



Ordering Information	Description	MOQ	Part Number
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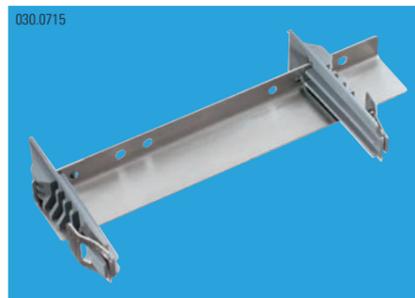
Wiring Tool
For wiring all VS Compact modules. The wires are contacted and cut to length in one single and efficient step.
Material: plastic (PPE+PS).
Supplied:
– One Mini Tool is supplied for free with 10 VS Compact modules.
"Mini Tool"

10 R300068



Wiring Tool
For wiring all VS Compact modules. The wires are contacted and cut to length in one single and efficient step.
Material: plastic (PA66-GF25), chrome-nickel-steel.
Supplied:
– Wiring tool recommended for wire diameter 0.8 mm
– The tip is made of metal
– Features a hook to remove jumper wires from the modules
"Comfort Tool"

10 R300069



Wiring Base,
Tool supporting the wiring of VS Compact modules.
Supplied:
– Holder rail (chrome-nickel-steel)
– Side parts left/right (plastic: PA66-GF25)
– Instructions for the wiring base
8 pairs / 10 pairs
16 pairs / 20 pairs
25 pairs

1 R300464
1 R300465
1 R306617



Extraction Tool
Extraction tool to swiftly pull out the 5-pair protection magazine form VS Compact modules.
for 5-pair protection magazine

1 R305586



Features:
– Accommodates VS Compact 10-pair modules (grid size 20 mm)
– Suitable for all protection components and all accessories
– Highly convenient installation, the side panels are integral parts of the top plate
– Top plate equipped with labeling shield
– Can be aligned without gaps
– Optional part cylinder lock
– Grounding included

Ordering Information	Description	PU	Part No.
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ConBox 150 pairs
– Complete small distributor suitable for 10-pair VS Compact modules of 20 mm grid size
– Can be equipped with protection components and accessories
Supplied:
– Cover hood 215 x 133 x 446 mm (WxDxH)
– 2 mounting plates for 1 vertical
– 2 brackets to fit cover hood
– Back mount frames 10 pairs (max. 15 units)
– Labeling shield

1 R314868



ConBox 300 pairs
– Complete small distributor suitable for 10-pair VS Compact modules of 20 mm grid size
– Can be equipped with protection components and accessories
Supplied:
– Cover hood 215 x 133 x 746 mm (WxDxH)
– 2 mounting plates for 1 vertical
– 2 brackets to fit cover hood
– Back mount frames 10 pairs (max. 30 units)
– Labeling shield

1 R314869



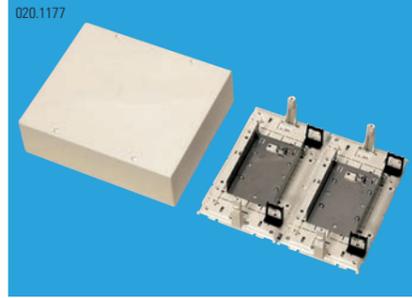
ConBox 300 pairs, horizontal
– Complete small distributor suitable for 10-pair VS Compact modules of 20 mm grid size
– Can be equipped with protection components and accessories
Supplied:
– Cover hood 400 x 133 x 446 mm (WxDxH)
– 4 mounting plates for 2 verticals
– 2 brackets to fit cover hood
– 2 back mount frames 10 pairs (max. 30 units)
– Labeling shield

1 R314870



ConBox 600 pairs, horizontal
– Complete small distributor suitable for 10-pair VS Compact modules of 20 mm grid size
– Can be equipped with protection components and accessories
Supplied:
– Cover hood 400 x 133 x 746 mm (WxDxH)
– 4 mounting plates for 2 verticals
– 2 brackets to fit cover hood
– 2 back mount frames 10 pairs (max. 60 units)
– Labeling shield

1 R314871



Ordering Information	Description	PU	Part No.
020.1172	<p>SM Housing</p> <ul style="list-style-type: none"> – Cannot be equipped with protection components <p>Supplied:</p> <ul style="list-style-type: none"> – Bottom part – Top part 60 x 50 x 180 mm (WxDxH) – 2 mounting profiles 15 x 20 mm – 2 screws KA40 x 8 mm – 2 washers – Duo-adhesive label T+T/neutral 60 x 25 mm – 2 cable ties, small – Installation instructions <p>8 pairs 10 pairs</p>	1 1	R302912 R302914
020.1175	<p>SM Housing 20 pairs</p> <ul style="list-style-type: none"> – Cannot be equipped with protection components <p>Supplied:</p> <ul style="list-style-type: none"> – Bottom part – Top part 102 x 57 x 152 mm (WxDxH) – Back mount frame for 2 x 10-pair VS Compact – 2 screws KA40 x 8 mm – 2 washers – Duo-adhesive label T+T/neutral 60 x 25 mm – 2 cable ties, small – Installation instructions 	1	R302915
020.1173	<p>SM Housing 40 pairs</p> <ul style="list-style-type: none"> – Can be equipped with protection components <p>Supplied:</p> <ul style="list-style-type: none"> – Bottom part – Top part 130 x 80 x 220 mm (WxDxH) – Back mount frame 5 x 8 pairs – Clamping bracket M4 – Screw M4 x 6 mm – Serrated lock washer M4 – 2 screws KA40 x 8 mm – 2 washers – 2 patching rings, small – Duo-adhesive label T+T/neutral 60 x 25 mm – 2 cable ties, small – Installation instructions 	1	R302913

Ordering Information	Description	PU	Part No.
020.1173	<p>SM Housing 50 pairs</p> <ul style="list-style-type: none"> – Can be equipped with protection components <p>Supplied:</p> <ul style="list-style-type: none"> – Bottom part – Top part 130 x 80 x 220 mm (WxDxH) – Back mount frame for 6 modules 10 pair – Clamping bracket M4 – Screw M4 x 6 mm – Serrated lock washer M4 – 2 screws KA40 x 8 mm – 2 washers – 2 patching rings, small – Duo-adhesive label T+T/neutral 60 x 25 mm – 2 cable ties, small – Installation instructions 	1	R302916
020.1177	<p>SM Housing 100 pairs</p> <ul style="list-style-type: none"> – Can be equipped with protection components <p>Supplied:</p> <ul style="list-style-type: none"> – 2 bottom parts incl. connecting pieces – Top part 220 x 80 x 260 mm (WxDxH) – 2 back mount frame each 6 modules 10 pair – 2 clamping brackets M4 – 2 screws M4 x 6 mm – 4 serrated lock washers M4 – 4 screws KA40 x 8 mm – 4 washers – 4 patching rings, small – Duo-adhesive label T+T/neutral 60 x 25 mm – 4 cable ties, small – Installation instructions 	1	R302917
020.1179	<p>SM Housing 300 pairs</p> <ul style="list-style-type: none"> – Can be equipped with protection components <p>Supplied:</p> <ul style="list-style-type: none"> – 3 bottom parts incl. connecting pieces – Top part 440 x 110 x 260 mm (WxDxH) – 3 back mount frames each 10 modules 10 pair – 12 screws KA40 x 8 mm – 12 washers – 4 patching rings, small – Duo-adhesive label T+T/neutral 60 x 25 mm – 4 cable ties, small – Installation instructions 	1	R302918

Ordering Information	Description	MOQ	Part Number
010.1864	Mounting Profile, 20/25 mm, – Mounting profile (depth x length) – Grid size: 20/25 mm – Material: steel (1.4301) 25 x 100 mm 25 x 200 mm 25 x 400 mm 25 x 440 mm 25 x 600 mm 25 x 800 mm 25 x 1000 mm 25 x 1500 mm 25 x 2000 mm 25 x 2200 mm 25 x 2500 mm 50 x 200 mm 50 x 250 mm 50 x 400 mm 50 x 1000 mm 50 x 2000 mm 100 x 200 mm 100 x 400 mm 100 x 800 mm 100 x 900 mm 100 x 1000 mm 100 x 1500 mm 100 x 2200 mm 200 x 1500 mm 200 x 2000 mm 200 x 2500 mm	1	R304938
		1	R300010
		1	R303007
		1	R307348
		1	R303008
		1	R302064
		1	R302065
		1	R300011
		1	R300012
		1	R304636
		1	R300659
		1	R300013
		1	R307838
		1	R300014
		1	R304995
		1	R304494
		1	R303211
		1	R300016
		1	R300017
		1	R303212
		1	R301863
		1	R300018
		1	R304997
		1	R300019
		1	R300020
		1	R300021
			i To mount one VS Compact connection module two mounting profiles are required.
020.1052	Transfer Ring, large – For snap-on side mounting to mounting profiles and back mount frames – Min. profile depth required 100 mm	1	R301050
030.0758	Transfer Strap – To be screwed on at the side of a mounting profile or back mount frame – Min. profile depth required for mounting is 50 mm Supplied: – Transfer strap, made of steel (1.4301), chromium-plated – Mounting plate – Edge protection profile – 2 fastening screws M6 x 12 – 2 washers M6 – 2 counternuts M6	1	R300025

Ordering Information	Description	MOQ	Part Number
030.0763	Wall Rail Kit, – Required for attaching VS Compact mounting profiles to walls Supplied: – 2 wall rails (length) – 6 insulating sleeves – 6 insulating disks – 2 end pieces 500 mm 1000 mm 1500 mm 2000 mm	1	R300768
		1	R300769
		1	R300770
		1	R300771
030.0764	Mounting Kit 90° – For the direct attachment of mounting profiles to wall rails Supplied: – 4 fastening screws M6 x 12 – 4 washers – 4 slide nuts	1	R301058
010.1744	Connection Cord 1 pair, – Fitted with a VS Compact 1-pair test plug on both sides – Contact interface on patching and cable side 2.5 m 3.0 m	1	R302604
		1	R302605
010.3057	Patch Cord 1 pair, – Fitted with a VS Compact plug on one end and a RJ45 connector on the other – For direct patching of VS Compact to RJ45 VS-RJ45 (3/6), 2.0 m VS-RJ45 (4/5), 2.0 m	1	R307232
		1	R307231
030.0677	Test Cord "Universal", – Test cord for customer assembly – For use as test adapter to connect all types of test equipment – Contact interface on cable and jumper side – Open cable end 2.5 m, without snap-in stop 2.5 m, with snap-in stop	1	R300073
		1	R307035

تعتبر R&M واحدة من الشركات الرائدة لحلول الكابلات لشبكات الاتصالات ذات الجودة العالية. تقوم الشركة في جميع أنحاء العالم بمساهمة فعالة للتشغيل الآمن لشبكات نقل وإرسال الصوت والبيانات والفيديو من خلال الكابلات النحاسية والألياف الضوئية. تتميز منتجات R&M بسهولة التركيب والصيانة. تؤكد حلول R&M تميزها وتفوقها من خلال بناء شبكة اقتصادية مع الاستفادة القصوى من مقومات الشبكة بالالتزام بأعلى معايير الجودة. الجودة العالية والتصميم المتطور لمنتجات R&M تضمن قدرة الشبكات على تلبية الاحتياجات الحالية والمستقبلية مما يحافظ على الإستثمارات في الشبكة على المدى الطويل. تستخدم حلول كابلات R&M لدى مشغلي الشبكات وفي المكاتب والمنازل والمصانع.

احصل على المزيد من: النجاح

إن شبكات الاتصالات عالية الجودة ذات المرونة والقدرة على تحقيق متطلبات المستخدمين تعتبر بمثابة عوامل نجاح حاسمة بالنسبة لعملاء R&M فهم يتوقعون تأثير إيجابي على الأرباح من خلال الإستثمار في البنية التحتية، سواء من خلال تحقيق إنتاجية أعلى وتخفيض تكاليف الصيانة وتأمين تشغيل الشبكة بدون اعطال. كل هذا يجعلنا نبذل أقصى ما في قدرتنا لمساعدة عملائنا على النجاح.

احصل على المزيد من: الاستمرارية

R&M شركة عائلية سويسرية مستقلة و مملوكة بالكامل لعائلة راكلي. منذ أن تم تأسيسها في عام 1964، قامت الشركة بالتركيز على تطوير وتصنيع أنظمة الكابلات لشبكات الاتصالات. منذ عام 1999، يتم ادارة الشركة بواسطة الجيل الثاني، مارتن و بيتر راكلي. إن قراراتنا لا تستهدف تحقيق أرباح على المدى القصير، بل الاستثمار في تطوير الشركة على المدى الطويل. بهذه الطريقة يستطيع عملاؤنا دوماً أن يثقوا في اختيارهم. احصل على المزيد من: نظام الحماية تهدف منتجاتنا و خدماتنا إلى توفير أكبر

احصل على المزيد من: الجودة

قدر من الاستقرار والاتاحة لشبكات الاتصالات. إننا نحقق هذا الأمر من خلال منتجات ذات جودة متميزة و فريدة من نوعها مما يضمن أداءً عالياً و عمر افتراضى اطول. إضافة إلى ذلك، فإننا ندعم بشدة المخططين و المنفذين و العملاء النهائيين عن طريق تقديم المشورة بشأن إختيار افضل الأنظمة و المساعدة في تصميم الشبكة و توجيه المشاريع الى مرحلة التشغيل اذا رغب العميل. بهذه الطريقة نضمن جودة الخدمة المؤداة.

احصل على المزيد من: الابتكار

تولى R&M اهتماما كبيرا بالبحث والتطوير. على مدى أكثر من 50 عاماً، قمنا بتجميع الكفاءات و الإختصاصات في مجالات التقنية ذات التردد العالي و الألياف الضوئية. يعتبر هذا الأمر بمثابة أساس فريد من نوعه بالنسبة للإبتكار المستمر. إننا نشارك في وضع وصياغة الكثير من المعايير الدولية وندرك التوجهات في مرحلة مبكرة. إن قربنا من شركائنا يمكننا من تطوير منتجات و حلول وخدمات مبتكرة تلبى إحتياجات العملاء. إن حلول أنظمتنا تضع المؤشرات بشأن النمطية، تنوع التطبيقات و المرونة. يستفيد عملائنا من الحلول المبتكرة و التي من شأنها أن تتغلب على التحديات

احصل على المزيد من: الروح

المستقبلية. إننا نعيش روح العائلة في R&M. إن عملائنا يلاحظون هذا الأمر و يستفيدون منه مباشرة. إنهم يدركون ويميزون موظفي R&M عن طريق ميولهم المميزة للعملاء. مع وجود مسارات قرارات قصيرة وطريقة عمل جماعي موجه للفريق، فإننا نقوم بتعزيز مبادرة و إبداع بشكل فردي لفائدة و مصلحة الزبائن. إننا نعيش روح العائلة في R&M. إن عملائنا يلاحظون هذا الأمر و يستفيدون منه مباشرة. إنهم يدركون ويميزون موظفي R&M عن طريق ميولهم المميزة للعملاء. مع وجود مسارات قرارات قصيرة وطريقة عمل جماعي موجه للفريق، فإننا نقوم بتعزيز مبادرة و إبداع بشكل فردي لفائدة و مصلحة الزبائن.

احصل على المزيد من: القرب من العملاء

إننا نؤمن بالقرب من عملائنا أينما كانوا. دائماً سوف تجدوننا في الموقع حيث تستخدم منتجاتنا. إن هذا القرب من عملائنا يمكننا اليوم من إدراك الطلبات و التوجهات و التطويرات التي سوف تحرك السوق غداً. بالإضافة إلى إختيار المنتج المناسب، يجب تخطيط و تركيب وتشغيل الكابلات بشكل تخصصي حتى تلبى الشبكة كافة طلبات العملاء. تعتبر هذه الأمور بمثابة عوامل حاسمة تأخذها R&M بعين الاعتبار. لقد أنشأنا شبكة عالمية من شركاء R&M الأكفاء الذين يقدمون النصح و المشورة للعملاء بشكل تخصصي و احترافي و يقدمون الحل النموذجي للوضع القائم.



مكتب R&M الشرق الأوسط وتركيا وإفريقيا

يقع مكتب R&M في الشرق الأوسط وإفريقيا في المنطقة الحرة بمطار دبي. ومن أجل دعم عملائنا بنجاح استثمرنا في المنطقة إلى حد بعيد وطورنا المستوى الأول من الدعم لصالح

- سلسلة التوريد - السرعة
- التسويق والاتصالات - في المتناول
- الاستشارات والتدريب - الخبرة
- هندسة وتخصيص المشروع - المرونة



مستوى الدعم الأول في R&M الشرق الأوسط وتركيا وإفريقيا الخدمات اللوجيستية والتوريدات

السرعة هي إحدى نقاط القوة الرئيسية من أجل تحقيق أهدافنا في المنطقة. ونحن الآن أكثر كفاءة وقادرون على تقديم هذه الخدمات بفضل فريق التوريدات والخدمات اللوجيستية.



مركز جميع الوصلات المرنة بمكتب R&M الإقليمي

يعتبر خط جميع الوصلات المرنة من R&M هو الأول من نوعه بالمنطقة وله الفضل في تحسين سرعة التوريدات وتلبية احتياجات العملاء. مركز تدريب R&M الشرق الأوسط وتركيا وإفريقيا من خلال برنامج الشرك المؤهل من R&M يوفر لعملائنا المستخدمين والموزعين والاستشاريين ومجمعي الأنظمة برنامج تدريب وتأهيل فريد من نوعه. ويتم التدريب في مركز مجهز بشكل ممتاز واستثنائي مما يوفر التوظيف الجيد والأجواء الملائمة للتعليم.



مركز R&M الجديد للتدريب في الشرق الأوسط وإفريقيا:

من خلال برنامج الشرك المؤهل (QPP) الذي نقدمه لعملائنا الموزعين المخططيين، المركبين ومجمعي الأنظمة فإننا نقدم تدريباً استثنائياً وبرنامجاً معتمداً بشهادات معترف بها. ويتم التدريب في مركز التدريب المجهز بشكل ممتاز واستثنائي بحيث يوفر التوظيف الممتاز والأجواء الملائمة للتعليم



R&M
Convincing cabling solutions

إن R&M كمطور سويسري عالمي ومصنع لأنظمة اتصال عالية الجودة والأداء لشبكات مراكز المعلومات مع تواجد في أكثر من 30 بلداً، فهي تقدم المشورة الجيدة والحلول المصممة خصيصاً لمساعدة مديري البنية التحتية والعمليات من تقديم خدمات موثوقة وفعالة من حيث التكلفة لبنية تحتية لتكنولوجيا المعلومات على أسس تجارية.

إن استخدام حلول الكوابل ذات الكفاءة الجيدة من R&M يساعد الشركات على التخطيط والحاذة والتلقى الشامل لشبكات المكاتب ومراكز البيانات وشبكات الاتصالات.

إن أنظمتنا من الألياف البصرية وكوابل النحاس ومرافقة البنية التحتية تضمن المعايير الأكثر صرامة في جودة المنتج. ومع استخدام الوحدات النسقية، وإدارة البنية التحتية الذكية، وسهولة الانتقال لتقنية إيثرنت 40G و 100G يمكن للعملاء الحصول على المرونة اللازمة لتكيف الطلب لشبكات الكوابل وسهولة التوافق مع أي تغيير يطرأ.

إذا كنت تبحث عن المشورة المؤثقة بها وخدمة مستهدفة لما بعد البيع فإن R&M تستطيع المساعدة.

DATA CENTER

يتبنى المقر الرئيسي لشركة R&M منهج العمارة الخضراء

50
CELEBRATING
50 YEARS
OF CABLING SOLUTIONS

مبنى R&M هو أحد أكبر مباني الشركات والأكثر تقدماً و ذو الاستهلاك المنخفض من الطاقة في سويسرا



وكشركة سويسرية رائدة. فإنها تحترم واجباتها حيال البيئة، وذلك تماشياً مع مبادئها الأساسية، حيث تلتزم بمبادرات المسؤولية الاجتماعية المشتركة والحفاظ على الموارد النادرة على الكوكب بطريقة مستدامة. وترى شركة R&M أنه من الضروري توظيف عمليات التصنيع التي تؤثر على البيئة بالحد الأدنى. والتقليل من كمية الخلفات من النفايات، وإعادة تدوير المواد والتقليل من استهلاك الطاقة، أما بالنسبة للإنتاج، فإن الشركة تستخدم مواد صديقة للبيئة والمعتمدة من قبل الإرشادات البيئية الدولية مثل تعليمات حظر استعمال المواد الخطرة (RoHS)، تعليمات وتسجيل النفايات الكهربائية والمعدات الإلكترونية (WEEE)، التقييم، ترخيص وحظر استعمال المواد الكيميائية (REACH).

أحدث مركز للتصنيع والإمداد قامت شركة R&M بتشييده هو - مكعب R&M - ضمن مقرها الرئيسي في فيتزنكون، وهو دليل على التزامها التام بالمبادرات الخضراء.

كما أن تصميم قطاع إنتاج الطاقة بحد ذاته استثنائي ومذهل، فخلال فصل الصيف، يتم نقل الحرارة الناتجة عن عمليات الإنتاج والتشغيل وتبريد الغرف عن طريق المبادلات الحرارية المحفورة كالأبار إلى نظام تخزين كبير تحت الأرض عبر ألواح مغطاة ومغمورة بالماء، ومن ثم يتم استخدام هذه الطاقة الحرارية المخزنة لتدفئة المبنى في فصل الشتاء، وخلال موسم البرد، يتم تسخين المياه الموجودة في المبادلات الحرارية المحفورة كالأبار بواسطة مضخة حرارية لترفع درجة الحرارة من 12 إلى نحو 36 درجة مئوية لتسخين الألواح المغطاة، وفي فصل الصيف، يتم استخدام هذه المياه والتي درجة حرارتها 12 درجة مئوية لتبريد الغرف، وبهذه الطريقة، يتم خفض انبعاث غاز ثاني أكسيد الكربون بنسبة 90% مما هي عليه في المباني التقليدية.

هذا المبنى الحديث عبارة عن رمز لنهج الإبداع والوعي الاجتماعي الذي يحفز شركة R&M، وهي تخطو نحو عامها 50 منذ بدء أعمالها. وصل عدد موظفي هذه الشركة العالمية 700 موظف متميز وشهدت نمو في الأسواق العالمية حتى خلال الأزمات الاقتصادية القاسية، وقد حققت ذلك بفضل الشراكة بين التكنولوجيا المتقدمة المستخدمة بالإنتاج ومجموعة المنتجات الرائدة.



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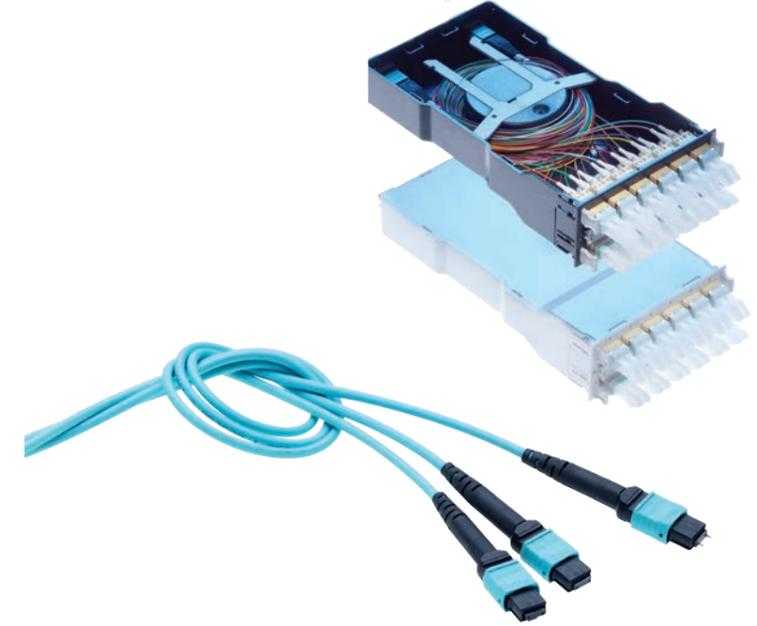


The HD MTP / MPO System: الطريق السهل إلي 10 و 40 و 100 جيجابت

مرونة وسلامة واتساق

ان عدد منافذ الشبكة في مراكز البيانات في ازدياد. والكوابل يجب أن تكون مكثفة بشكل كبير للتأكد من أنه يمكن استيعاب تلك الزيادة. وهذا بدوره ينطوي على تحديات كبرى للبنية التحتية للألياف الضوئية.

ويتيح نظام كوابل HD MTP لمراكز البيانات ان تصل إلى هذا الهدف بشكل أسرع. وهذا النظام المتعدد الألياف يضع معايير لتلك الكثافة وكفاءة استخدام المكان. والمرونة والسلامة وكذلك لتخطيط وتركيب مناسب، ووحدة HD MPO هي المنتج الأساسي وهي تعد منصة توصيل للمستقبل والذي بدوره يسهل عمليات الترقية بكفاءة



استخدام كفاء للمكان

سرعة عالية في مكان صغير
ترقية سهلة لسرعات 40 و 100 جيجابت
طريقة توصيل S الذكية
نظام نمطي سهل التدرج

R&MinteliPhy:

إدارة ذكية البنية التحتية

الكفاءة، والأمن، والربحية

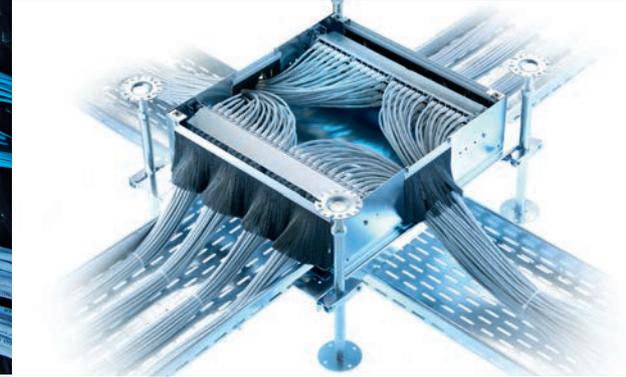
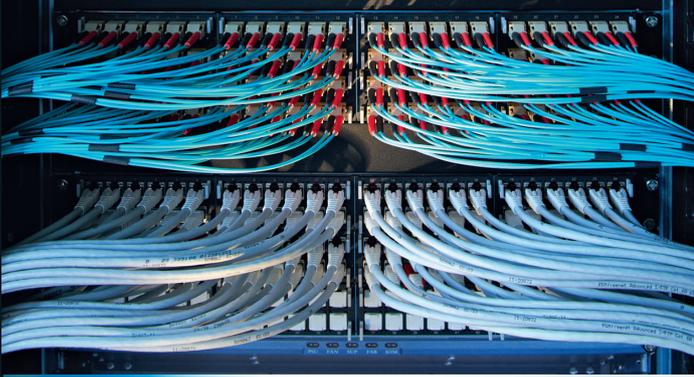
R&MinteliPhy يفتح حقبة جديدة لمديري الشبكات، الآن. يمكنهم إدارة البنية التحتية بذكاء وبطريقة أوتوماتيكية بالكامل، لا حاجة لكوابل خاصة ولا لوحات تجميع جديدة، المذكرات الورقية أصبحت أشياء من الماضي، وكذلك الإدارة الصعبة للجداول. بواسطة R&MinteliPhy يمكن لمراكز البيانات تحسين فوري لمدى استخدام القدرات المتاحة والربحية ومدى توافرها. مديري تكنولوجيا المعلومات يمكنهم الآن السيطرة على جميع الخارج وأكثر من ذلك، وذلك لأن R&MinteliPhy يساعد على التحليلات والتوثيق، مع إدخال عمليات موحدة ومع كافة مهام إدارة نموذجية للبنية التحتية.

مدير ومراقب R&MinteliPhy هما الركيزتان لحل AIM من R&M (الإدارة الآلية للبنية التحتية).

يتكون مراقب R&MinteliPhy من عدد قليل من المكونات التي يمكن تحديثه وتعديله؛ مشابه RFID للوصلات المرنة. الواح حساسة للوحات التجميع والمجالات لخزانات الشبكة. مدير R&MinteliPhy هو الحل العميل الخادم مع قاعدة بيانات مركزية مثبتة على خادم في شبكة الاتصال المحلية أو متاحة كخدمة سحابية مع العديد من وظائف التوجيه والتخطيط و مكتبات واسعة النطاق



كتالوج المنتجات للشرق الأوسط، تركيا و أفريقيا



حلول الكوابل
كوابل المكتتب ومراكز المعلومات

 **R&M**

Convincing cabling solutions