

## Fiber Optic systems for the future



Complete modular solutions with added value from R&M – Customer-oriented systems for all FTTx applications – Excellent transmission properties, maximum security



Convincing cabling solutions

## WINNING CABLING SOLUTIONS

**If you need reliable solutions for your FTTx applications, we suggest you get in touch with the world's leading supplier of layer 1 products. For over 40 years, R&M has been a successful supplier of modular systems for data and communications networks. The company focuses on providing high-quality solutions that are practical yet innovative. Network operators appreciate R&M's comprehensive portfolio and powerful solutions that are future-proof and customizable.**

get more

- Comprehensive fiber optic solutions for carriers
- Better modularity, compatibility and flexibility
- Greater bandwidth, easy network expansion
- Maximum network security
- Fast response to changes in the marketplace and in demand
- The "big picture" for cable management
- Higher network availability
- Future-proof technology
- More than 40 years of experience



R&M's customers include telecom companies, providers, commercial and industrial network operators, city carriers, railways and transport companies. With the flexibility of a mid-sized, globally active, family-owned company, R&M offers advanced technology and quality. This is a clear competitive advantage with added value for our customers.

The company focuses its development efforts on the current needs of network operators. By cooperating with the best partners, R&M is able to develop complete customer-oriented solutions which represent a synthesis of products, systems and services.

### FTTX SOLUTIONS FROM R&M – TECHNOLOGIES FOR THE FUTURE

It's a fact: The megatrend towards data communications has prevailed in the battle against classic telecommunications with its telephony applications. New offerings such as triple play (video, data and telephony over a single connection) need more and more bandwidth. Future-oriented carriers are meeting this challenge with FTTx applications. Fiber optics is clearly the technology of the future.

R&M supports carriers and providers at all levels of their passive network infrastructure with flexible, modular systems that give added value in FTTx applications such as:

- Fiber to the curb (FTTC)

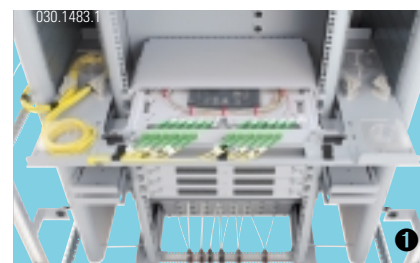
- Fiber to the building (FTTB)
- Fiber to the home (FTTH)
- ... and more FTTx applications.

R&M has a high level of core expertise in fiber optic technology. We offer the latest in standardized distribution and connector technology for building future-safe communication networks. Our products are known for the following:

- Uncompromising quality and reliability
- Convenient installation and maintenance
- Space-saving designs
- Modularity and compatibility

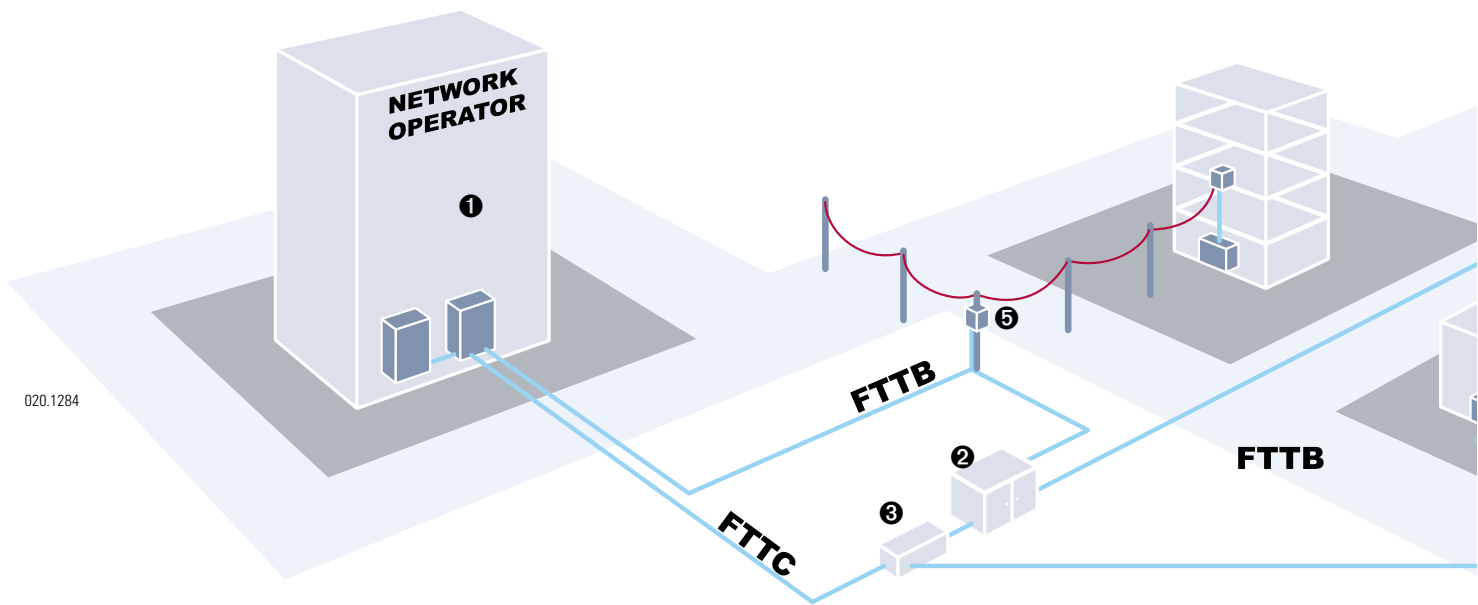
### FIBER OPTIC MANAGEMENT SYSTEM

Save time and gain control in cable management. R&M's Fiber Optic Management (FOM) system meets



these requirements. The system is suitable for all of your connection, termination and distribution needs. The modular design makes for easy installation. Features such as convenient patching, clear and manageable fiber routing and practical radius limitations help to ensure efficient management.

# The basic principle is modularity



## FIBERCURB II FOR OUTSIDE DISTRIBUTORS

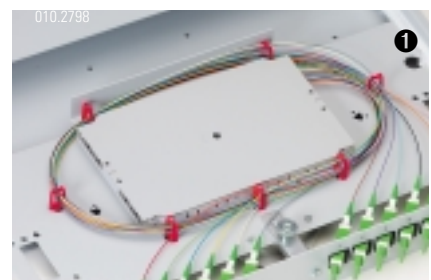
FiberCurb II is an effective solution for metropolitan area networks (MAN). In outside distributors, FiberCurb II from



R&M is useful for fast, flexible and secure connection and division of primary and distribution cables. The security concept is very innovative with an advanced system for routing cables. All of this provides a solid basis for optimum transmission of signals.

### 19" PATCH PANELS

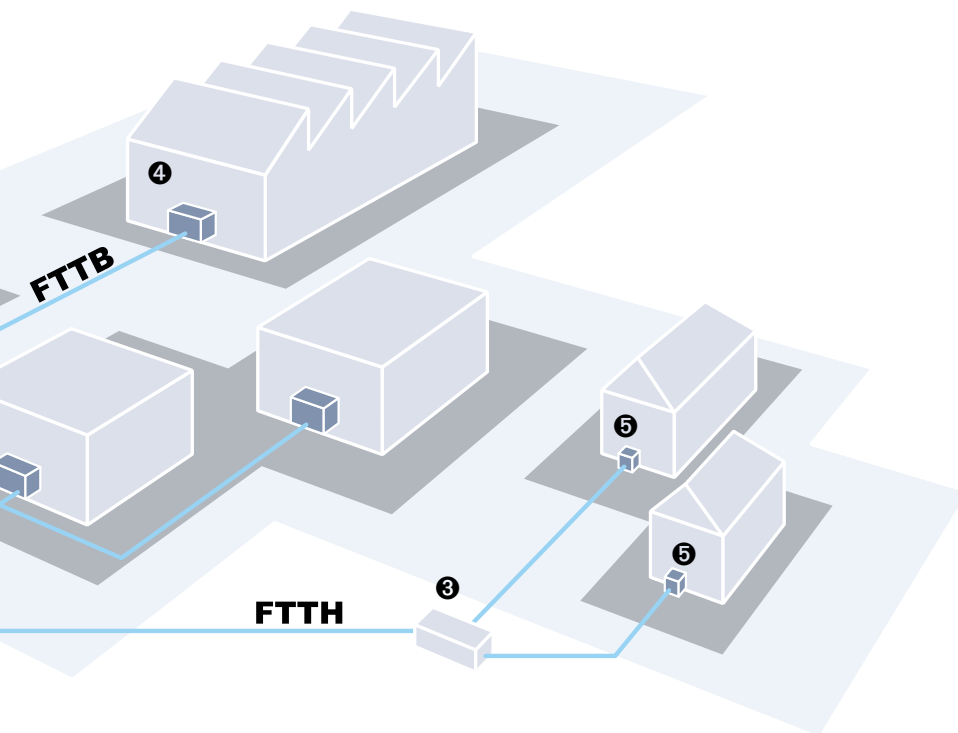
Flexibility should come before everything else. R&M's 19" solution for patching in fiber optic distributors and network terminations is designed for maximum flexibility, very high packing



density and easy handling. Other features include minimum bending radii, clear cable routing and identification, generous loose tube and pigtail reserves and low installation depth.

## SOLUTIONS, SYSTEMS AND CONNECTORS FOR FTTX APPLICATIONS

R&M's complete solutions for fiber optic networks and FTTx applications are based on the principle of consistent modularity. Everything fits together in an ideal manner to keep the cost of installing, managing, expanding and maintaining your system down to the bare minimum. You have the flexibility to assemble the products, systems and services you need as part of your implementation. We will look at a selection here.



### FO SPLICE CLOSURES

This is a reliable solution when you need continuous connections outside. FO splice closures from R&M have many benefits, including a space-sav-

ing design, easy interchange of individual cables, individual strain relief, fast, tool-free installation and a locking system that provides long-term stability with reusable seals.



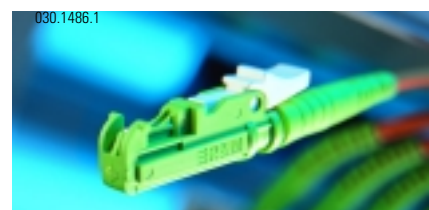
### FO SMALL DISTRIBUTORS

When it comes to fiber to the building, you need FO small distributors from R&M to protect the network interconnections that go between the inside and outside of the building. The sheet-steel housing can be trusted to keep out splashing, rain water and dust.



### FO CONNECTORS

FO connectors are the key to top performance. Their quality, ruggedness, long-term stability and mechanical and optical precision have a decisive influence on bandwidth and network performance. The better the interface, the better the signal transmission. Of course, proven manufacturing and assembly processes are the key to reliable connectors. For many years now, R&M has been hard at work optimizing its processes to produce the highest quality connectors.



# Next Generation FO Networks

## LOOKING INTO THE FUTURE WITH FTTX

Potential applications of fiber optic technologies for data communications, multimedia and communication go well beyond the realm of carrier networks. If you take a close look at the future of FTTx, you will see that the best choice is to go ahead and equip office, production and machine environments as well as private dwellings with the latest generation of extended FO systems. R&M is hard at work developing the solutions you need.

### WINNING CABLING SOLUTIONS FOR STRATEGIC BUSINESS AREAS

R&M is the right partner if you need fiber optic solutions for WANs, MANs, homes, apartment buildings, offices, workstations, production halls and machine installations. Besides the carrier market, R&M is active in other strategic business areas where it develops FO products with superior quality and technology.

### ENTERPRISE CABLING

This segment covers cabling solutions for a diverse range of company types. Our layer 1 solutions help to achieve the highest possible network availability and maximum bandwidth in voice, data and video transmission using copper and fiber optic transmission systems. The modular design ensures flexibility for future expansion.

### RESIDENTIAL CABLING

This segment covers multimedia networks in private homes. These cabling solutions unite different applications such as telephony, data, TV and radio using a single universal infrastructure. Solutions based on plastic optical fiber are also available for broadband applications within dwellings.

### INDUSTRIAL CABLING

Industrial networks place extremely high demands on connector and distribution equipment. For this area, R&M has developed special solutions such as connectors for heavy mechanical loads which provide full protection against environmental influences in compliance with protection class IP67.

### MORE INFORMATION

We are pleased to provide expert consultation in order to develop the ideal solution for your network. We are sure you will appreciate the intelligence, versatility and quality of R&M products. For more detailed information, please contact our headquarters or your local R&M representative or visit our website [www.rdm.com](http://www.rdm.com)



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