

19" Multifiber Management System – 1/BFM108213

Fiber termination in BYB501 Rack



The 19" standard Multifiber Management System offers a high-capacity, easy installed fiber management system to organize and terminate large quantities of fiber, such as in FTTH networks.

Features

- Supports PON and P2P networks.
- 19" established standard, High modularity
- High capacity, 1536 (1728) SC Terminations
- Small footprint and height (36U)
- Dedicated compartment for excess fiber
- Supports multi-fiber patch assemblies
- Secure and robust protection

Application

The Multifiber Management System is a high-capacity passive fiber termination system, which normally constitutes the cabling interface between any active fiber access node and the subscriber line side.

The system is designed typically for FTTH networks, such as Point to Point or / and PON but also suits any type of network, metro or transport, where a high number of fiber terminations requires space for patch cords or multi cable assemblies.

Design

The Multifiber Management System consists of a 19" Rack to host optional Optical Distribution Frames or splitter modules.

The well established 19" standard modular architecture makes it easy to configure the system to meet specific requirements and future needs. New hardware, additional ODF:s or splitter module configurations are easily added.

A fully equipped ODF cabinet supports up to 1536 connectors of SC-type, which represents a connector density equivalent to 4800 (5400) per m² of floor space.



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The system is built on a 1.8 m high rack with an additional cable shelf on top which adds another 15 cm. This makes the system slightly lower than many other solutions on the market. Low height may be essential since many nodes in FTTH systems are not positioned in traditional Telecom rooms giving enough roof space. If several racks are positioned side by side the top shelf will form a cable chute without any need for roof mechanics.

The fiber from the patch cables is stored on rolls, close to the ODFs for easy connection.

We recommend a 24 connector multi-fiber patch cable system giving an equivalent packing rate of outstanding 105 fibers per cm². This saves space dramatically, provides better fiber protection and simplifies the installation when interconnecting between racks.

The base for the MMS system is built upon the standard Ericson BYB501 rack, giving a robust base being NEBS (Zone 4) compliant. The rack units are well protected behind a lockable door. The door can be easily removed.

All installation and maintenance is performed from the front of the cabinet.

Specifications

Size and weight

Dimensions, (WxHxD)800x1800*x400 mm

Weight empty95 kg

Building capacity36 U

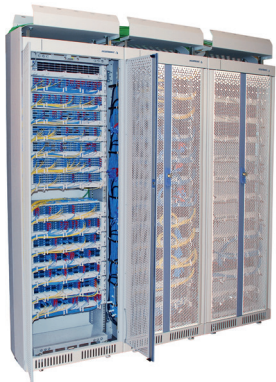
Recommended 2U ODF capacity

.....1536 SC type

* Cable top shelf adds 15 cm if used

All materials according to ROHS directive

Ordering Information

	PRODUCT NUMBER	DENOMINATION / COMMENT
	1/BFM 108 213	Multifiber Management System complete*:
	Including: 8/BYB501180 10/BYB501180/1 11/BYB501180 23/BYB501180 18/BYB501/4 SXX1101435/1	Including 1 x : Rack, 19" Inch pitch. H=1800 B=450 D=300 Door set Side plates Back plate Tip protection, generic Cable channel

*Optical sub units excluded, see accessories and associated system parts.



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Accessories & Associated System Parts

	PRODUCT NUMBER	DENOMINATION / COMMENT
	NCD51380 NTMS0211 NTMS0212	Pre connected ODFs: max 96 term / 2U Supports SC, SC/APC, LC, LC/APC Micro cable indoor stub cable for site splicing Micro cable outdoor cable for air blown splice free site installation. Horizontal patch guide straight Horizontal patch guide straight w left radius limiter.
	NCD5188005	Splice cabinet For on site splicing of pre connected ODF with stub cable. Capacity 764 single fibers Wall mount for convenient positioning at site cable entrance
	RPM2530769	Multifiber Patch Cables SC-SC Diameter: 5.4 mm Fan-out: A-side 0.7m to minimize slack on one side B-side 1.5m to reach any position within one rack. Available length: 6, 7, 8, 10, 15, 20 & 30 m G657A Bend insensitive fiber
	TSR395	Standard grade patch cords Supports SC, SC/APC, LC, LC/APC Available length: 1, 2, 3, 5 & 10 m G657A Bend insensitive fiber
	NCD520002	Fiber optic Splitter shelves, 1 U Supports SC, SC/APC Split ratios: Single or dual input 2, 4, 8, 16, 24, 32 & 64 Convenient when directly patching to other racks
	NBA30104 NBA30105 RDJ901200	Splitter frame with 9 positions, 1U Splitter frame with 35 positions, 4U Splitter modules Supports SC, SC/APC, LC/APC Split ratios: Single or dual input 2, 4, 8, 16, 24, 32 & 64 Convenient when patching inside rack, saves power budget due to less connectors present. Flexible on incremental and mixed split ratios
	NCD5205000	Patch panel Supports SC, SC/APC, LC, LC/APC Several options up to 48 connections Used for patch interconnections between racks in certain applications

See separate product data sheet for detailed information on suggested parts.