

19" Rack System MT-5211S

Fiber termination in Rack System



The 19" standard Rack 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 capacity, 2016 SC Terminations
- Small footprint and height (42U)
- Dedicated compartment for excess fiber
- Supports patch assemblies

Application

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

The 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 2016 connectors of SC-type.



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The system is built on a 2.1 m high rack with an additional cable channel placed in bottom of the rack. 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.

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

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

Specifications

Size and weight

Dimensions, (HxWxD)2100x600x400mm black

Building capacity


.....42 U

Recommended 2U ODF capacity

.....2016 SC type

All materials according to ROHS directive

Ordering Information

	PRODUCT NUMBER	DENOMINATION / COMMENT
	MT-5211S	Rack, 19" Inch pitch. H=2100 W=600 D=400
	MT-5446/40S	Radius limiter
	MT-5446/08S	Patch cable management
	MT-5446/01S	Cable channel
	MT-5211/61	Floor attachment



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Accessories & Associated System Parts

	PRODUCT NUMBER	DENOMINATION / COMMENT
	NCD51380	Pre connected ODFs: max 96 term / 2U. See 3/28701-NCD 513 (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.
	NCD 513	ODF units and accessories. See 2/28701-NCD 513 (1.5U) and 1/48701-NCD 513 (2U)
	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	Splitter frame with 9 positions, 1U Splitter frame with 35 positions, 4U
	RDJ901200	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.