

**FONF-MM06S-XXXM**

Fiber Optic Cable Assembly, MTP12/APC Male to MTP12/APC Male, LSZH, Indoor



Fiber only cable assembly, 12 single mode fibers, pre-terminated with an MTP12 male connector on both ends of this LSZH, indoor cable. using CPR rated Eca class LSZH, Flame retardant: IEC 61304 (min smoke emission), IEC 60754-1, Halogen Free, IEC 60332-3 (Reduced Fire Propagation) as sheath materials. Optimized for Radio over Fiber (RoF) applications, for use within the RFS "Plug and Play" RoF solution. This product is designed to connect two spans of backbone cable which have been terminated with MTP female connectors.

Feature / Benefits

- High precision MTP/APC fiber connector provides low insertion loss, high return loss, excellent stability and durability
- Available in a range of standard or customized lengths to simplify network design
- MTP connectors are terminated and fully tested in controlled conditions to ensure optimum performance and reliability
- RFS "Plug and Play" solution simplifies network design, minimizes installation/testing time and the necessary on site skills

Fiber Optic, No Armour, Flame retardant Jacket, MTP Male, MTP Male, 06 Pairs Fiber, Singlemode, XXX Meters

Technical features**STRUCTURE**

Cable Type	12 single mode fibers (G657A2), LSZH jacket, yellow
Number of Fiber	12

MECHANICAL SPECIFICATIONS

Outer Diameter Nominal	4.5mm (0.177in)
Minimum Single Bending Radius	30mm (1.181in)
Minimum Multi Bending Radius	50mm (1.969in)
Tensile Strength (Operating)	130 N
Tensile Strength (Installation)	440 N
Crush Resistance (Operating)	300 N / 10 cm
Crush Resistance (Installation)	1000 N / 10 cm

CABLE JACKET

Jacket Material	CPR rated Eca class LSZH, Flame retardant: IEC 61304 (min smoke emission), IEC 60754-1 Halogen Free, IEC 60332-3 (Reduced Fire Propagation)
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F/O CABLE SPECIFICATIONS

F/O Cable Type	Loose-tube, Single Mode
Core/Clad	9 / 125
F/O Cable Jacket	LSZH
F/O Standards (Meets or Exceeds)	G657A2
Fiber Termination End 1	MTP/APC male, single mode, yellow housing, IEC 61754-7
Fiber Termination End 2	MTP/APC male, single mode, yellow housing, IEC 61754-7
Fiber Attenuation	$\leq 0.36\text{dB/km}$ $\lambda=1310\text{nm}$; $\leq 0.22\text{dB/km}$ $\lambda=1550\text{nm}$ dB/km
Connector Insertion Loss	MTP:Max. 0.35 dB @ 1310&1550nm/ IEC 61300-3-4 Method B
Connector Return Loss	MTP: Min. 60 dB @ 1310&1550nm



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ENVIRONMENTAL

Storage Temperature	-25°C to 70°C (-13°F to 158°F)
Operation Temperature	-20°C to 60°C (-4°F to 140°F)
Installation Temperature	-10°C to 55°C (14°F to 131°F)

ORDERING INFORMATION

Length	Model Number
<30 m	1 PC in a bag

ADDITIONAL ASSEMBLIES

Length	Model Name
Length	Model Name
1 m	FONF-MM06S-001M
2 m	FONF-MM06S-002M
3 m	FONF-MM06S-003M
4 m	FONF-MM06S-004M
5 m	FONF-MM06S-005M
6 m	FONF-MM06S-006M
7 m	FONF-MM06S-007M
8 m	FONF-MM06S-008M
9 m	FONF-MM06S-009M
10 m	FONF-MM06S-010M