

**FONF-FF06S-XXXM**

Fiber Optic Cable Assembly, MTP12/APC Female to MTP12/APC Female, LSZH, indoor - CPR

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Fiber only cable assembly, 12 single mode fibers, pre-terminated with an MTP12 female connector on both ends of this LSZH, fire rated to Eca indoor cable sheath meeting flame retardant IEC 61304, IEC60754-A, IEC60332-3C. Optical performance is optimized for Radio over Fiber (RoF) applications, for use within the RFS "Plug and Play" RoF portfolio.

Features / 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 Armor, Flame retardant Jacket, MTP Female, MTP Female, 06 Pairs Fiber, Singlemode, XXX Meters

Technical Features**STRUCTURE**

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

MECHANICAL SPECIFICATIONS

Outer Diameter Nominal	4.5mm (0.177in)
Minimum Single Bending Radius	45mm (1.772in)
Minimum Multi Bending Radius	90mm (3.543in)
Tensile Strength (Operating)	130 N
Tensile Strength (Installation)	440 N
Crush Resistance (Operating)	300 N / 10 cm
Crush Resistance (Installation)	1000 N / 10 cm

OPTICAL SPECIFICATIONS

F/O Cable Type	Loose-tube, Single Mode
Core/Clad	9 / 125
F/O Cable Jacket	CPR rated Eca LSZH, Flame retardant standards: IEC 61304 (min smoke emission), IEC 60754-1 Halogen Free, IEC 60332-3 (Reduced Fire Propagation)
Fiber Termination End 1	MTP/APC female, single mode, yellow housing, IEC 61754-7
Fiber Termination End 2	MTP/APC female, single mode, yellow housing, IEC 61754-7
Connector Insertion Loss	MTP(SM): Max. 0.35 dB @ 1310&1550nm/ IEC 61300-3-4 Method B
Connector Return Loss	MTP(SM): 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)				
Model Number	FONF-FF06S-010M	FONF-FF06S-050M	FONF-FF06S-100M	FONF-FF06S-150M	FONF-FF06S-200M