

**FONF-FF06S-XXXM**

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



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.

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 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
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

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	CPR rated Eca LSZH, Flame retardant standards: IEC 61304 (min smoke emission), IEC 60754-1 Halogen Free, IEC 60332-3 (Reduced Fire Propagation)
F/O Standards (Meets or Exceeds)	G657A2
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
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(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)

ORDERING INFORMATION

Length	ModelNumber
>30 m	1 PC drum
<30 m	1 Pc in a bag

ADDITIONAL ASSEMBLIES

Length	Model Name
Length	Model Name
05 m	FONF-FF06S-005M
10 m	FONF-FF06S-010M
15 m	FONF-FF06S-015M
20 m	FONF-FF06S-020M
25 m	FONF-FF06S-025M
30 m	FONF-FF06S-030M
35 m	FONF-FF06S-035M
40 m	FONF-FF06S-040M
45 m	FONF-FF06S-045M
50 m	FONF-FF06S-050M
55 m	FONF-FF06S-055M
60 m	FONF-FF06S-060M
65 m	FONF-FF06S-065M
70 m	FONF-FF06S-070M
75 m	FONF-FF06S-075M
80 m	FONF-FF06S-080M
85 m	FONF-FF06S-085M
90 m	FONF-FF06S-090M
95 m	FONF-FF06S-095M
100 m	FONF-FF06S-100M

Related Documents

 **Product image**
Web Link

 **Cable Structure**
Web Link

 **Product image**
Web Link