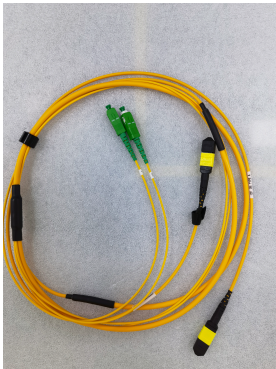# FONF-ME06S-XXXM

Fiber Optic Cable Assembly, MTP12/APC Male to MTP10/APC Male + 2 x SC/APC, LSZH, Indoor

Fiber only cable assembly, 12 single mode fibers, preterminated with an MTP12 male connector on one end and an MTP10 male connector together with 2 SC/APC connectors on the other end. This assembly enables 2 fibers from an MTP12 backone cable to be "dropped" for connection with two SC/APC connections. Suitable for indoor applications, 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.

Feature / Benefits

- High precision MTP and SC/APC fiber connectors provides low insertion loss, high return loss and excellent stability and durability
- Available in a range of standard or customized lengths to simplify network design
- Mechanical branching system ensures full strain relief
- All connectors are terminated and 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
- XXX in the product name FONF-ME06S-XXXM denotes required length (see below tables for available standard lengths)

Fiber Optic, No Armour, Flame retardant Jacket, MTP Male, (E)MTP Male with 2 x SC Connectors, 06 Pairs Fiber, Singlemode, XXX Meters

Technical features

STRUCTURE

Cable Type	12 single mode fibers (G657 A2) , 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)

FONF-ME06S-XXXM

Fiber Optic Cable Assembly, MTP12/APC Male to MTP10/APC Male + 2 x SC/APC, LSZH, Indoor

F/O CABLE SPECIFICATIONS

F/O Cable Type	Loose-tube, Single Mode
Core/Clad	9 /125
Cable Diameter mm (in)	3mm (0.118in)
Cable Diameter Breakout	2.0 mm on the SC side
F/O Cable Jacket	CPR rated Eca class LSZH, Flame retardant: 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 male, single mode, yellow housing, IEC 61754-7
Fiber Termination End 2	MTP/APC male, single mode, yellow housing, IEC 61754-7 with 2 x SC/APC simplex
FO Break-out length (Top)	1000 +/-50 (39.37 +/-1.97)
Fiber Attenuation	≤ 0.36dB/km λ=1310nm ; ≤0.22dB/km λ =1550nm dB/km
Connector Insertion Loss	MTP(SM):Max. 0.35 dB @ 1310&1550nm/ IEC 61300-3-4 Method B ; SC/APC(SM):Max. 0.3 dB @ 1310&1550nm/ IEC 61300-3-4 Method B
Connector Return Loss	MTP(SM): Min. 60 dB @ 1310&1550nm ; SC/APC(SM): Min. 60 dB @ 1310&1550nm

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)

ADDITIONAL ASSEMBLIES

Length	Model Name
Length	Model Name
1 m	FONF-ME06S-001M
2 m	FONF-ME06S-002M
3 m	FONF-ME06S-003M
4 m	FONF-ME06S-004M
5 m	FONF-ME06S-005M
6 m	FONF-ME06S-006M
7 m	FONF-ME06S-007M
8 m	FONF-ME06S-008M
9 m	FONF-ME06S-009M
10 m	FONF-ME06S-010M

Related Documents

fonf-me06s-xxxm.jpg
Web Link

ha-fobc-msa-06sm-f-003_3.jpg
Web Link