

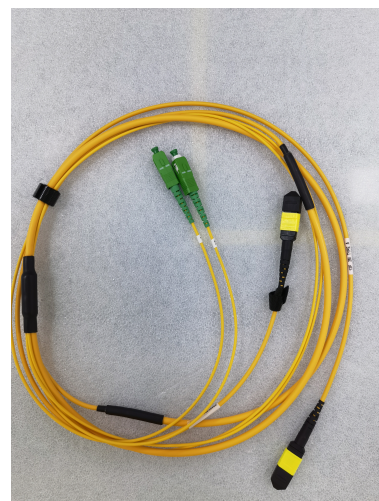
**FONF-ME06S-XXXM**

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

HYBRIFLEX 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 LSZH materials. Optimized for Radio over Fiber (RoF) applications, for use within the RFS "Plug and Play" RoF solution.

FEATURES / 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

**Technical features****STRUCTURE**

Cable Type		12 single mode fibers (G657 A2) , LSZH jacket, yellow
Number of Fiber		12

MECHANICAL SPECIFICATIONS

Minimum Bending Radius, (Operating)	mm (in)	45 (1.772)
Minimum Bending Radius, (Installation)	mm (in)	90 (3.543)
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		LSZH
Outer Diameter Nominal	mm (in)	4.5 (0.177)

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F/O CABLE SPECIFICATIONS

F/O Cable Type		Loose-tube, Single Mode
Core/Clad	μm	9 /125
Cable Diameter mm (in)		3 (0.118)
Cable Diameter Breakout		2.0 mm on the SC side
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 with 2 x SC/APC simplex
FO Break-out length (Top)	mm(in)	1000 +/-50 (39.37 +/-1.97)
Fiber Attenuation		≤ 0.36dB/km λ=1310nm ; ≤0.22dB/km λ =1550nm
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

TESTING AND ENVIRONMENTAL

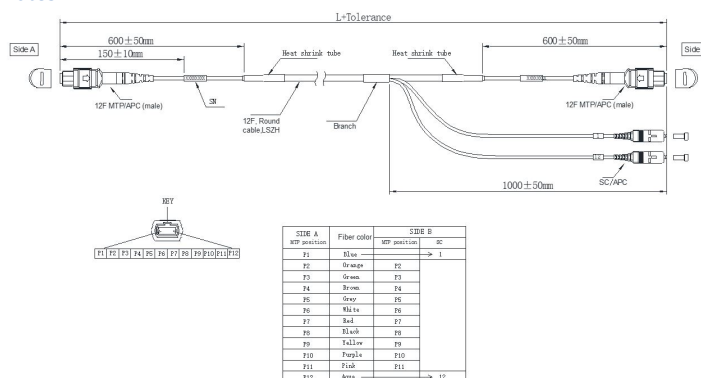
Storage Temperature	°C (°F)	-25 to 70 (-13 to 158)
Operation Temperature	°C (°F)	-20 to 60 (-4 to 140)
Installation Temperature	°C (°F)	-10 to 55 (14 to 131)

ADDITIONAL ASSEMBLIES

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

External Document Links

Notes





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Cable structure

Cable diameter

4.5mm

Sheath Color

Yellow (G657A2)

