

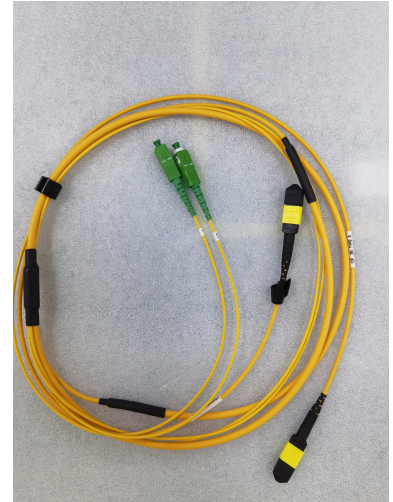
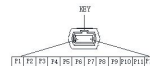
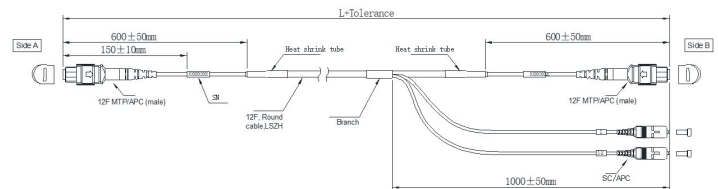
**FONF-ME06S-XXXXM**

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 backbone 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

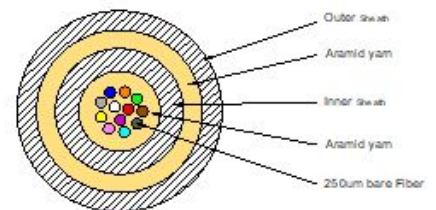
**External Document Links****Notes**

SIDE A	Fiber color	SIDE B
MTP position		MTP position
P1	Blue	P1
P2	Orange	P2
P3	Green	P3
P4	Brown	P4
P5	Grey	P5
P6	White	P6
P7	Red	P7
P8	Pink	P8
P9	Yellow	P9
P10	Purple	P10
P11	Pink	P11
P12	Grey	P12

Cable structure

Cable diameter
Sheath Color

4.5mm
Yellow (G657A2)

**Technical features****STRUCTURE**

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

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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)

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	dB/km	≤ 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



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