

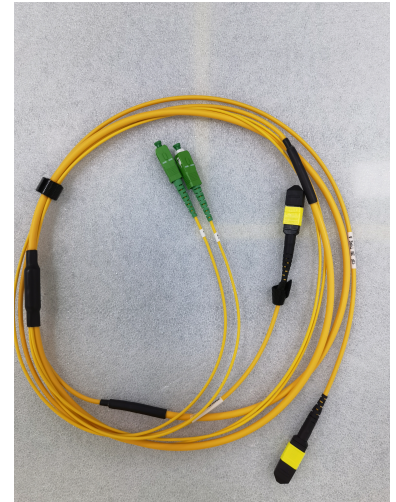
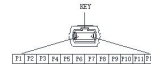
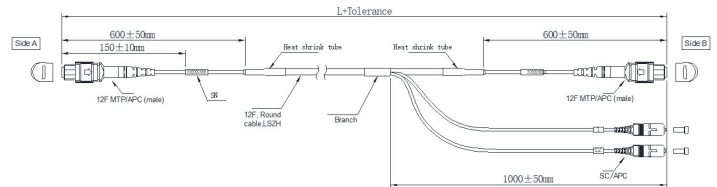
**FONF-ME06S-XXXM**

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 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

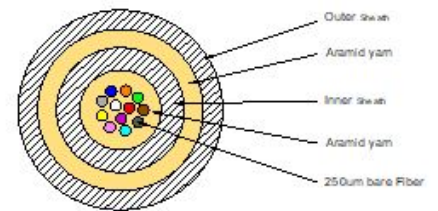
**External Document Links****Notes**

SIDE A MTP position	Fiber color	SIDE B MTP position	SC
F1	Blue	F1	→ 1
F2	Orange	F2	
F3	Green	F3	
F4	Brown	F4	
F5	Grey	F5	
F6	White	F6	
F7	Red	F7	
F8	Black	F8	
F9	Yellow	F9	
F10	Purple	F10	
F11	Pink	F11	
F12	Agro	F12	

**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

**FONF-ME06S-XXXM**HYBRIFLEX® Fiber Optic Cable Assembly, MTP12/APC Male to MTP10/APC Male + 2 x SC/APC, LSZH,  
Indoor**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



FONF-ME06S-XXXM

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

9 m	FONF-ME06S-009M
10 m	FONF-ME06S-010M