



HYBRIFLEX fiber only cable assembly, 12 single mode fibers, pre-terminated with an MTP12 male connector on one end and 12 SC/APC connectors on the other end of the LSZH, indoor cable. Optimized for Radio over Fiber (RoF) applications, for use within the RFS "Plug and Play" RoF solution.

**FEATURES / BENEFITS**

- High precision MTP/APC and SC/APC fiber connectors provide low insertion loss, high return loss, excellent stability and durability
- Mechanical branching system ensures full strain relief
- Customized lengths are available in addition to the 3m standard version
- 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****Technical features****STRUCTURE**

Cable Type		12 single mode fibers (G657A2), LSZH jacket, yellow
Number of Fiber		12

**MECHANICAL SPECIFICATIONS**

Minimum Bending Radius, (Operating)	mm (in)	30 (1.181)
Minimum Bending Radius, (Installation)	mm (in)	50 (1.969)
Tensile Strength (Operating)		30 N
Tensile Strength (Installation)		100 N
Crush Resistance (Operating)		100 N / 10 cm
Crush Resistance (Installation)		500 N / 10 cm

**CABLE JACKET**

Jacket Material		LSZH
Outer Diameter Nominal	mm (in)	3 (0.118)

**F/O CABLE SPECIFICATIONS**

Core/Clad	µm	9 /125
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		12 x SC/APC simplex
FO Break-out length	mm(in)	600 +/-100
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. 0.30 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

**FONF-MU06S-XXXM**

HYBRIFLEX® Fiber Optic Cable Assembly, MTP12/APC Male to 12 x SC/APC, LSZH, Indoor

**TESTING AND ENVIRONMENTAL**

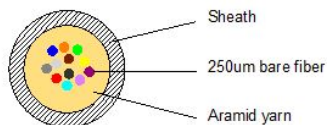
Storage Temperature	°C (°F)	-25 to 70 (-13 to 158 )
Operation Temperature	°C (°F)	-20 to 60 (-4 to 140 )
Installation Temperature	°C (°F)	-10 to 55 (14 to 131 )

**ORDERING INFORMATION**

L<30M	1 pc in Bag
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**ADDITIONAL ASSEMBLIES**

Length	Model Name
1 m	FONF-MU06S-001M
2 m	FONF-MU06S-002M
3 m	FONF-MU06S-003M
4 m	FONF-MU06S-004M
5 m	FONF-MU06S-005M
6 m	FONF-MU06S-006M
7 m	FONF-MU06S-007M
8 m	FONF-MU06S-008M
9 m	FONF-MU06S-009M
10 m	FONF-MU06S-010M

**Cable structure**Cable diameter  
Sheath Color3.0mm  
Aqua (BI-OM3); Purple (BI-OM4); Yellow (G657A2)



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