



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 Technologies "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



**Technical features**

**STRUCTURE**

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

**MECHANICAL SPECIFICATIONS**

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

**CABLE JACKET**

<b>Jacket Material</b>		LSZH
<b>Outer Diameter Nominal</b>	mm (in)	3 (0.118)

**F/O CABLE SPECIFICATIONS**

<b>Core/Clad</b>	µm	9 /125
<b>F/O Cable Jacket</b>		LSZH
<b>F/O Standards (Meets or Exceeds)</b>		G657A2
<b>Fiber Termination End 1</b>		MTP/APC male, single mode, yellow housing, IEC 61754-7
<b>Fiber Termination End 2</b>		12 x SC/APC simplex
<b>FO Break-out length</b>	mm(in)	600 +/-100
<b>Fiber Attenuation</b>		≤ 0.36dB/km λ=1310nm ; ≤0.22dB/km λ =1550nm
<b>Connector Insertion Loss</b>		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
<b>Connector Return Loss</b>		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

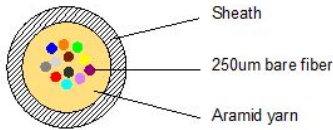
L<30M	1 pc in Bag
-------	-------------

## 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

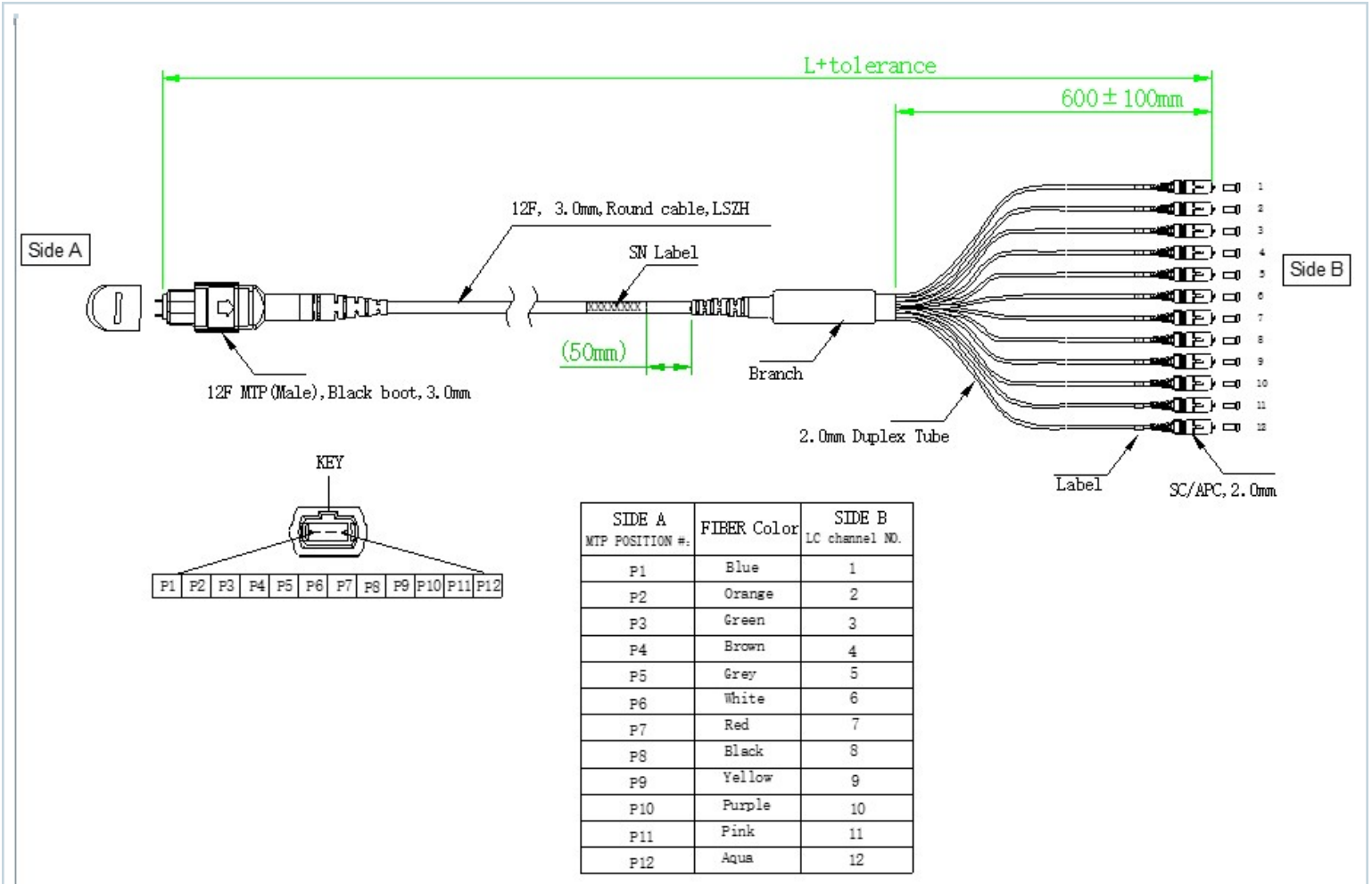
Cable diameter 3.0mm  
 Sheath Color Aqua (BI-OM3); Purple (BI-OM4); Yellow (G657A2)





**FONF-MU06S-XXXM**

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



External Document Links

Notes