PRODUCT DATASHEET

FONF-MU06S-XXXM

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

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

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		≤ 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

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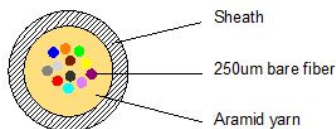
TESTING AND ENVIRONMENTAL

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)

Sheath
250um bare fiber
Aramid yarn

Side A

L+tolerance

600 ± 100mm

12F, 3.0mm, Round cable, LSZH

SN Label

Side B

(50mm)

12F MTP(Male), Black boot, 3.0mm

Branch

2.0mm Duplex Tube

Label

SC/APC, 2.0mm

KEY

P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12

SIDE A MTP POSITION #:	FIBER Color	SIDE B LC channel NO.
P1	Blue	1
P2	Orange	2
P3	Green	3
P4	Brown	4
P5	Grey	5
P6	White	6
P7	Red	7
P8	Black	8
P9	Yellow	9
P10	Purple	10
P11	Pink	11
P12	Aqua	12
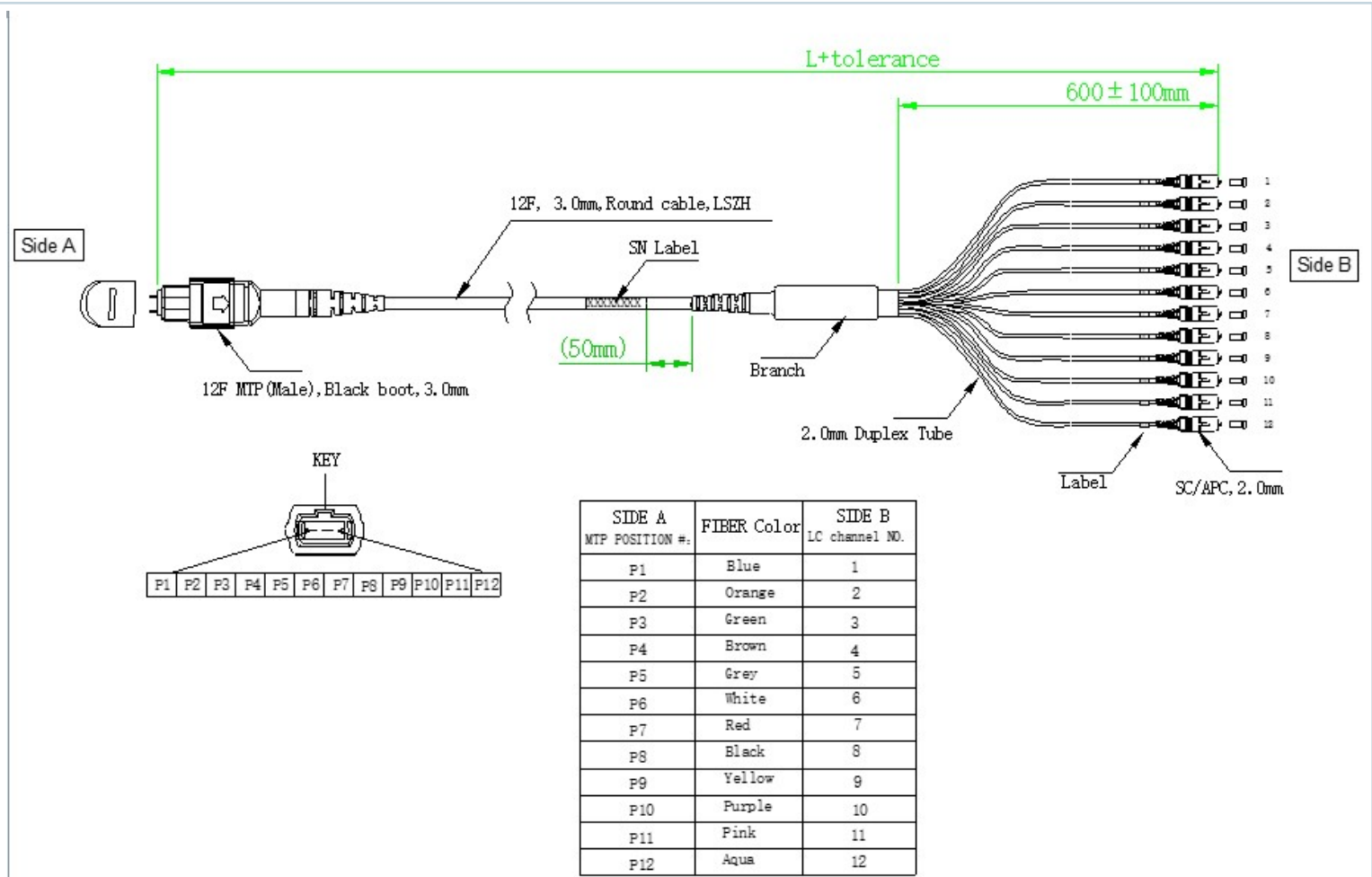
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Notes