



HYBRIFLEX fiber only cable assembly, 12 single mode fibers, pre-terminated with an MTP12 female connector on both ends of this LSZH, indoor cable. Optimized for Radio over Fiber (RoF) applications, for use within the RFS "Plug and Play" RoF solution.

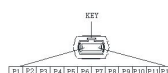
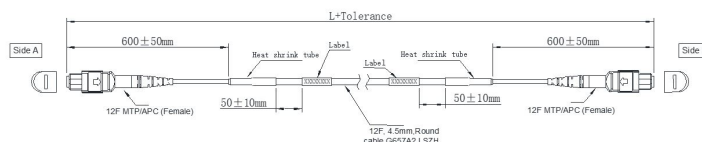
#### FEATURES / BENEFITS

- High precision MTP/APC fiber connector provides low insertion loss, high return loss, excellent stability and durability
- Available in a range of standard or customized lengths to simplify network design
- MTP connectors are terminated and fully 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



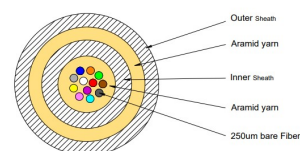
| Side A<br>MTP position | Fiber color | Side B<br>MTP position |
|------------------------|-------------|------------------------|
| P1                     | Blue        | P1                     |
| P2                     | Orange      | P2                     |
| P3                     | Green       | P3                     |
| P4                     | Brown       | P4                     |
| P5                     | Grey        | P5                     |
| P6                     | White       | P6                     |
| P7                     | Red         | P7                     |
| P8                     | Black       | P8                     |
| P9                     | Yellow      | P9                     |
| P10                    | Purple      | P10                    |
| P11                    | Pink        | P11                    |
| P12                    | Aqua        | P12                    |

Cable diameter  
Sheath Color

#### Product image

4.5mm

Aqua (BI-OM3); Purple (BI-OM4); Yellow (G657A2)



Cable Structure

## 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) | 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                                                      |
| F/O Cable Jacket                 |       | LSZH                                                        |
| F/O Standards (Meets or Exceeds) |       | G657A2                                                      |
| Fiber Termination End 1          |       | MTP/APC female, single mode, yellow housing, IEC 61754-7    |
| Fiber Termination End 2          |       | MTP/APC female, single mode, yellow housing, IEC 61754-7    |
| 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 |
| Connector Return Loss            |       | MTP(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 )  |

**ORDERING INFORMATION**

|       |               |
|-------|---------------|
| >30 m | 1 PC drum     |
| <30 m | 1 Pc in a bag |

**ADDITIONAL ASSEMBLIES**

| Length | Model Name      |
|--------|-----------------|
| 10 m   | FONF-FF06S-010M |
| 20 m   | FONF-FF06S-020M |
| 30 m   | FONF-FF06S-030M |
| 40 m   | FONF-FF06S-040M |
| 50 m   | FONF-FF06S-050M |
| 60 m   | FONF-FF06S-060M |
| 70 m   | FONF-FF06S-070M |
| 80 m   | FONF-FF06S-080M |
| 90 m   | FONF-FF06S-090M |
| 100 m  | FONF-FF06S-100M |
| 110 m  | FONF-FF06S-110M |
| 120 m  | FONF-FF06S-120M |
| 130 m  | FONF-FF06S-130M |
| 140 m  | FONF-FF06S-140M |
| 150 m  | FONF-FF06S-150M |
| 160 m  | FONF-FF06S-160M |
| 170 m  | FONF-FF06S-170M |



**FONF-FF06S-XXXM**

HYBRIFLEX® Fiber Optic Cable Assembly, MTP12/APC Female to MTP12/APC Female, LSZH, indoor

|       |                 |
|-------|-----------------|
| 180 m | FONF-FF06S-180M |
| 190 m | FONF-FF06S-190M |
| 200 m | FONF-FF06S-200M |