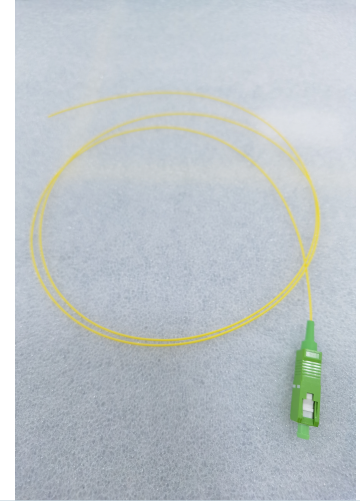




**RFS' HYBRIFLEX™** Optical fiber pigtail with an SC/APC connector on one end of a 900um buffered, G657A2 single mode optical fibre. The SC/APC connector has been terminated to ensure optimum performance within RoF (Radio over Fibre) applications, in particular providing low insertion loss and minimal back reflections.

**FEATURES / BENEFITS**

- Industry standard (IEC61754) simplex SC/APC connector with high tolerance zirconia ceramic ferrule to ensure optimum reliability
- Factory terminated in controlled conditions to ensure low insertion loss and high return loss. 100% tested



**Technical features**

**STRUCTURE**

|                        |  |                 |
|------------------------|--|-----------------|
| <b>Cable Type</b>      |  | Fiber Patchcord |
| <b>Number of Fiber</b> |  | 1               |

**MECHANICAL SPECIFICATIONS**

|  |  |               |
|--|--|---------------|
| <b>Tensile Strength (Operating)</b>    |  | 3 N           |
| <b>Tensile Strength (Installation)</b> |  | 6 N           |
| <b>Crush Resistance (Operating)</b>    |  | 100 N / 10 cm |

**CABLE JACKET**

|                               |         |             |
|-------------------------------|---------|-------------|
| <b>Outer Diameter Nominal</b> | mm (in) | 0.9 (0.035) |
|-------------------------------|---------|-------------|

**F/O CABLE SPECIFICATIONS**

|                                 |         |   |
|---------------------------------|---------|---|
| <b>F/O Cable Type</b>           |         | Single Mode G657A2  |
| <b>Core/Clad</b>                | µm      | 9 /125  |
| <b>Single Bending Radius</b>    | mm (in) | 10 (0.394)  |
| <b>Fiber Termination End 1</b>  |         | SC / APC Simplex  |
| <b>Fiber Termination End 2</b>  |         | No connector, open end,                                       |
| <b>Fiber Attenuation</b>        |         | ≤ 0.36 dB/km λ=1310nm; ≤0.3 dB/km λ =1550nm                   |
| <b>Connector Insertion Loss</b> |         | SC(APC)SM : Max. 0.30 dB @ 1310&1550nm@IEC 61300-3-4 Method B |
| <b>Connector Return Loss</b>    |         | SC/APC(SM): Min. 60 dB @ 1310&1550nm@IEC 61300-3-6            |

**TESTING AND ENVIRONMENTAL**

|                                 |         |                        |
|---------------------------------|---------|------------------------|
| <b>Storage Temperature</b>      | °C (°F) | -20 to 60 (-4 to 140 ) |
| <b>Operation Temperature</b>    | °C (°F) | -20 to 60 (-4 to 140 ) |
| <b>Installation Temperature</b> | °C (°F) | -10 to 50 (14 to 140 ) |



**ADDITIONAL ASSEMBLIES**

| Length | Model Name      |
|--------|-----------------|
| 1 m    | FOPC-U01SS-001M |
| 2 m    | FOPC-U01SS-002M |
| 3 m    | FOPC-U01SS-003M |



External Document Links

Notes