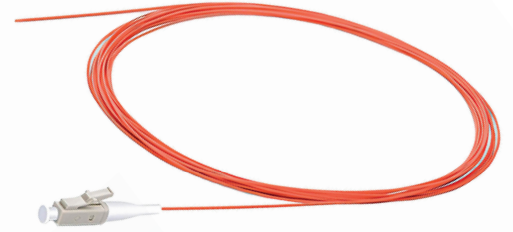


FPT-OM2LC0.5M

Description

Osilan's fibre optic pigtails are the optimal choice for Enterprise inter-connect, data centre and cross-connect applications. The pigtails provide connectivity to passive optical equipment in main or distribution rack rooms. Pigtails are terminated with fibre core by fusion splicing. Fibre optic pigtails are available in OM2, OM3, OM4 or OS2 fibre types terminated with ultra-physical contact (UPC) zirconia ferrule connectors to meet the demands of all Ethernet applications.



Features

- LC, low insertion loss
- Simplex 900µm jacketed tight buffered
- Ferrules of Zirconia ceramic with high performance.
- The connector terminated with ultra-physical contact (UPC)

Standards

- ISO 11801
- EN 50173-1
- IEC 60332-1
- IEC 61754
- IEC 61034
- IEC 60793
- IEC 61300

Mechanical and Environmental Characteristics

| | |
|------------------------|-------------------|
| Cable outside diameter | 900µm |
| Cable retention | 50N |
| Endurance | 500 mating cycles |
| Temperature range | -20°C to +60°C |
| Operating Temperature | -40°C to +70°C |
| Storage Temperature | -40°C to +70°C |

Cable & Connector Parameters

| Items | Specifications |
|-----------------------|--|
| Connector | |
| LC Connector | Beige |
| Boot | white |
| SC Connector | Beige |
| Boot | Beige |
| FC Connector | metal |
| Boot | Black |
| ST Connector | metal |
| Boot | Red / Black |
| Cable | |
| Simplex | 1 fibre core |
| water-blocking system | |
| Material | Aramid Yarn |
| Outer Jacket | |
| Material | LSZH |
| Colour | OS2: Yellow OM2: Orange OM3: Aqua OM4: Violet |

Fibre Parameters

| Items | Specifications |
|--------------------------------------|--|
| Cladding Diameter | 124.8±0.7 µm |
| Cladding Non-Circularity | ≤0.7% |
| Core-Cladding Concentricity Error | ≤0.5 µm |
| Coating Diameter | 245±5 µm |
| Coating Non-Circularity | ≤6.0% |
| Cladding-Coating Concentricity Error | ≤12.0 µm |
| ITU-T Standards | G.652.D or G.657.A1 for SM G.651.1 for MM |
| Attenuation | 1310nm ≤0.36 dB/km 1550nm ≤0.25 dB/km 850 nm ≤3 dB/km 1300nm ≤1 dB/km |
| Maximum connector insertion loss | 0.15 dB (Standard Multi-mode) 0.3 dB (Standard Single-mode) |
| Minimum connector return loss | 40 dB (Standard Multi-mode) 50 dB (Standard Single-mode) |

ORDERING INFORMATION

| Part No. | Description |
|---------------|--|
| FPT-OM2LC0.5M | LC/UPC Simplex Fibre Optic Pigtail, 900µm Tight Buffered, OM2, Orange, 0.5 meter |