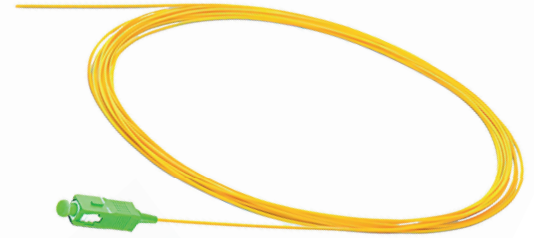


FPT-OS2SCA001M

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 OS2 fibre types terminated with angled physical contact (APC) zirconia ferrule connectors to meet the demands of all Ethernet applications.



Features

- Fibre optic pigtails, OS2, low insertion loss
- Simplex 900µm jacketed tight buffered
- Ferrules of Zirconia ceramic with high performance.
- The connector terminated with angled physical contact (APC)

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 | Green |
| Boot | Green |
| SC Connector | Green |
| Boot | Green |
| E2000 | Green |
| Boot | Green |
| Cable | |
| Simplex | 1 fibre core |
| water-blocking system | |
| Material | Aramid Yarn |
| Outer Jacket | |
| Material | LSZH |
| Colour | Yellow |

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 |
| Attenuation | 1310nm ≤0.36 dB/km 1550nm ≤0.25 dB/km |
| Maximum connector insertion loss | 0.3 dB (Standard Single-mode) |
| Minimum connector return loss | 60 dB (Standard Single-mode) |

ORDERING INFORMATION

| Part No. | Description |
|----------------|--------------------------------------------------------------------------------|
| FPT-OS2SCA001M | SC/APC Simplex Fibre Optic Pigtail, 900µm Tight Buffered, OS2, Yellow, 1 meter |