

FPT-OM2SC0.5M

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

- SC, 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-OM2SC0.5M	SC/UPC Simplex Fibre Optic Pigtail, 900µm Tight Buffered, OM2, Orange, 0.5 meter