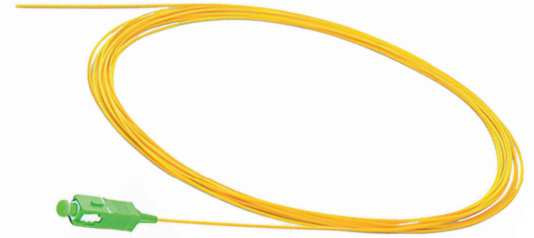


## FPT-OS2SCA0.5M

### 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 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
<b>Connector</b>	
LC Connector	Green
Boot	Green
SC Connector	Green
Boot	Green
E2000	Green
Boot	Green
<b>Cable</b>	
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-OS2SCA0.5M	SC/APC Simplex Fibre Optic Pigtail, 900µm Tight Buffered, OS2, Yellow, 0.5 meter