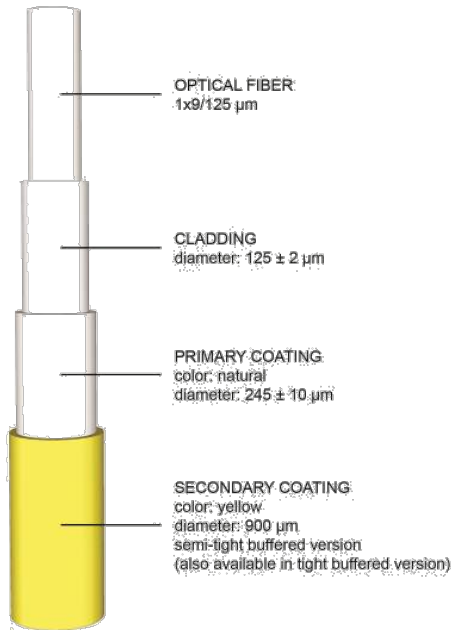
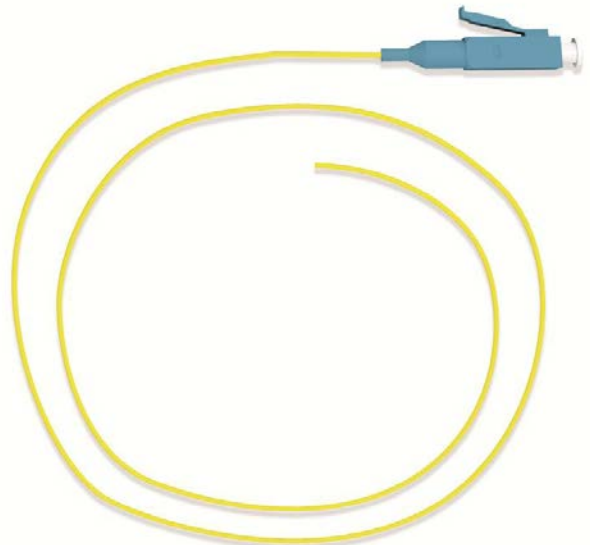
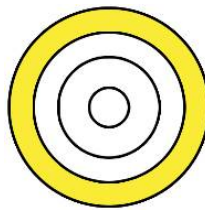


## P/N : PIG xx y MONO

Optical UPC pigtails OS2 monomode y m



Fiber cable construction



P/N: PIGLC1MONO OS2  
LC UPC 900µm semi tight buffered OS2  
(Other connectors available)

## Applications

MMC optical pigtails OS2 are ideal for all singlemode applications.

These pigtails suit all types of OS2 singlemode networks, like Telecom, LAN (local Area Network) and WAN (Wide Area Network).

## General Characteristics

- Optically and mechanically compatible with all the equivalent connectors.
- Optical pigtails with ceramic ferrule (ZrO<sub>2</sub>) and composite body (SC, LC, MU) or metal (ST,FC)
- Multimode 9/125 OS2 ITU-T G.652D simplex optical cable
- LSOH semi tight buffered coating 900µm
- Individual test report and packaging
- Available in different lengths (standard is 2m)
- Packaging : unit

## Standards compliance

Conformity to:

- IEC 60874-20,
- IEC 60793-2-50 B1.3, IEC 60793-2-10,
- ITU-T G.652D, CECC,
- ISO/IEC 11801 2<sup>nd</sup> Ed. Amd 1.0, Amd 2.0
- Bellcore/Telcordia GR-326 (reduced),
- TIA/EIA 568, EIA/TIA 492AAAB, EN 50173-1:2002
- With no hazardous substances as detailed in ROHS 2002/95/EC

## P/N : PIG xx y MONO

Optical UPC pigtails OS2 monomode y m

### Patch cords general characteristics

Range temperature :	- 10°C to +65°C,
Mating cycles:	> 1000 cycles
Colour of sheath	yellow
Fiber version	Semi-tight buffered
Colour of boot	Blue (SC), Black (ST) White (LC)
Return Loss	> 35 dB
Insertion Loss (Attenuation)	< 0.25 dB

### Connectors technical characteristics

Types	ST, SC, LC, FC, MU, UPC (other on request)
Material of ferrule	ZrO <sub>2</sub> (Zirconia / Ceramic)
Connector surface	Convex
Insertion loss	<0.10dB (SC, LC) 0.15 dB (ST)
Material of body	Metal (ST, FC) or composite (SC, LC, MU)
Ferrule drilling	125/126 µm

### Optical cable mechanical properties

Weight	0.7kg/km
Temperature range	-10°C to +65°C
Bending radius	30 mm
Tensile strength	3 N
Crush resistance	0.1N (long term) – 1N (short term)

### Optical cable performances

Parameters		Value
Core diameter	µm	9.2 ± 0.4
Cladding diameter	µm	125 ± 1
Cladding non-circularity	%	≤ 1.0
Core/cladding concentricity	µm	≤ 0.6
Typ. Attenuation @ 1310nm – 1625nm	dB/km	≤ 0.39
Typ. Attenuation @ 1550nm	dB/km	≤ 0.25
Chrom. Disp. Coeff. 1285nm – 1330nm	Ps/km*nm	> 3
Chrom. Disp. Coeff. 1270nm – 1340nm	Ps/km*nm	> 6
Chrom. Disp. Coeff. 1550nm	Ps/km*nm	2 - 18
Cut-Off Wavelength high/low limit	λ nm	1330/1150
Polarisation Mode Disp. (PMD) Coeff.	Ps/√km	0.5
PMD link design value	Ps/√km	0.2

### Ordering information

Part Numbers structure	<b>PIG xx y MONO</b>
Replace <b>xx</b> by connector type	Standard UPC connectors are : ST, SC, LC, MU (others on request)
Replace <b>y</b> by the length in meters	From 1 up to 5m
Standard length (other lengths on request)	2m