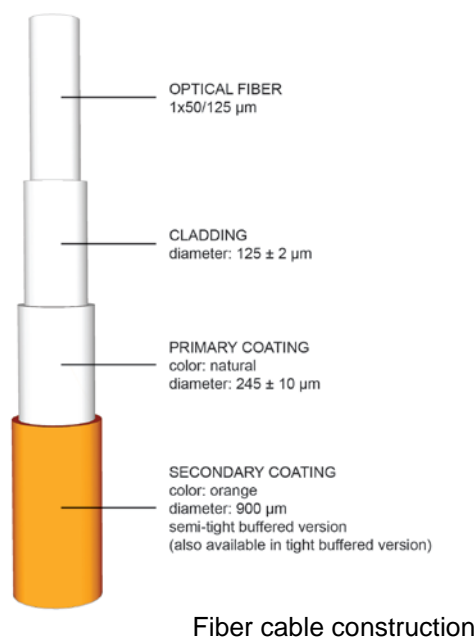


## P/N : PIG xx y MUL50

Optical UPC pigtails OM2 multimode y m



P/N: PIGSC1MUL50  
SC UPC 900µm semi tight buffered OM2  
(Other connectors available)

## Applications

MMC optical pigtails OM2 are ideal for all multimode applications. These pigtails suit all types of OM2 multimode 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 50/125 OM2 ITU-T G.651 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

- IEC 60874-20,
- IEC 60793-2-50 B1.1, IEC 60793-2-10 A1a,
- ITU-T G.651, 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 MUL50

Optical UPC pigtails OM2 multimode y m

### Patch cords general characteristics

Range temperature :	- 10°C to +65°C,
Mating cycles:	> 1000 cycles
Colour of sheath	orange
Fiber version	Semi-tight buffered
Colour of boot	Beige (SC) Black (ST) or White (LC)
Return Loss	> 25 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	<0.20dB
Material of body	Metal (ST, FC) or composite (SC, LC, MU)
Ferrule drilling	127/128 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	50 ± 2.5
Cladding diameter	µm	125 ± 2
Cladding non-circularity	%	≤ 1.0
Core/cladding concentricity	µm	≤ 1.5
Typ. Attenuation @ 850nm	dB/km	≤ 2.7
Typ. Attenuation @ 1300nm	dB/km	≤ 0.8
Bandwidth @ 850nm	MHz * km	> 500
Bandwidth @ 1300nm	MHz * km	> 800
Link length 1000Base SX	m	2 - 500
Link length 1000Base LX	m	2 - 800
Link length 10GBase SR	m	2 – 82
Link length 10GBase X4	m	2 - 300

### Ordering information

Part Numbers structure	<b>PIG xx y DMUL50</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