

Optical Fibre LC Push Pull Patch Cords



Molex's Optical Fibre Patch LC Push Pull Cords are LSOH jacketed as standard. PVC and Plenum rated cables are available at request. Molex patch cords offer factory controlled performance in a variety of connector, ISO performance standards and lengths.

Molex has taken specific attention to the end-face geometry and fibre core alignment to ensure reliability and optimised performance.

Features and Advantages

- 100% Factory Tested – Guaranteed performance
- Push Pull Connector with Unitube 2.0mm cable
- Polarity Reversible



Specifications

REFERENCE INFORMATION

Commercial Standards:
ISO/IEC 1108:2008, ANSI/TIA/
EIA 568.3-D, ANSI/TIA/EIA-492,
TELECORDIA GR-409, ICEA-596

Warranty:
Please refer to our website at
[http://www.molexces.com/About-Us/
Our-Warranty.html](http://www.molexces.com/About-Us/Our-Warranty.html) for terms and conditions of any
resulting warranty.

MECHANICAL

Cordage O.D.: 2.0mm +/- 0.1mm
Primary Coating : 245µm
Strength Member: Aramid Yarn
Jacket Material: LSOH IEC 61034-1 & 2, IEC-60332-1,
IEC-60754-1 & 2

Tensile Force:
long Term: 80N
Short Term: 160N

Operating Temperature: -40°C to +85°C

Cable Colour		
Colour Matrix		
OS2	9/125	Yellow
OM1	62.5/125	Orange
OM2	50/125	Grey
OM3	50/125	Aqua
OM4	50/125	EV/Aqua
OM5	50/125	Lime Green

Multimode Fiber								
Designation	Core OD (µm)	Cladding OD (µm)	Max. Attenuation			Min. Bandwidth		
			@850nm (dB/km)	@953nm (dB/km)	@1300nm (dB/km)	@850nm (MHz-km)	@953nm (MHz-km)	@1300nm (MHz-km)
OM1	62.5	125 ± 1	3.5	NA	1.0	200	NA	500
OM2	50	125 ± 1	3.5	NA	1.5	500	NA	500
OM3	50	125 ± 1	3.0	NA	1.5	2000 - DMD 1500 - OFL	NA	500
OM4	50	125 ± 1	3.0	NA	1.5	4700 - DMD 3500 - OFL	NA	500
OM5	50	125 ± 1	3.0	2.3	1.5	4700 - DMD 3500 - OFL	2470 - DMD 1850 - OFL	500

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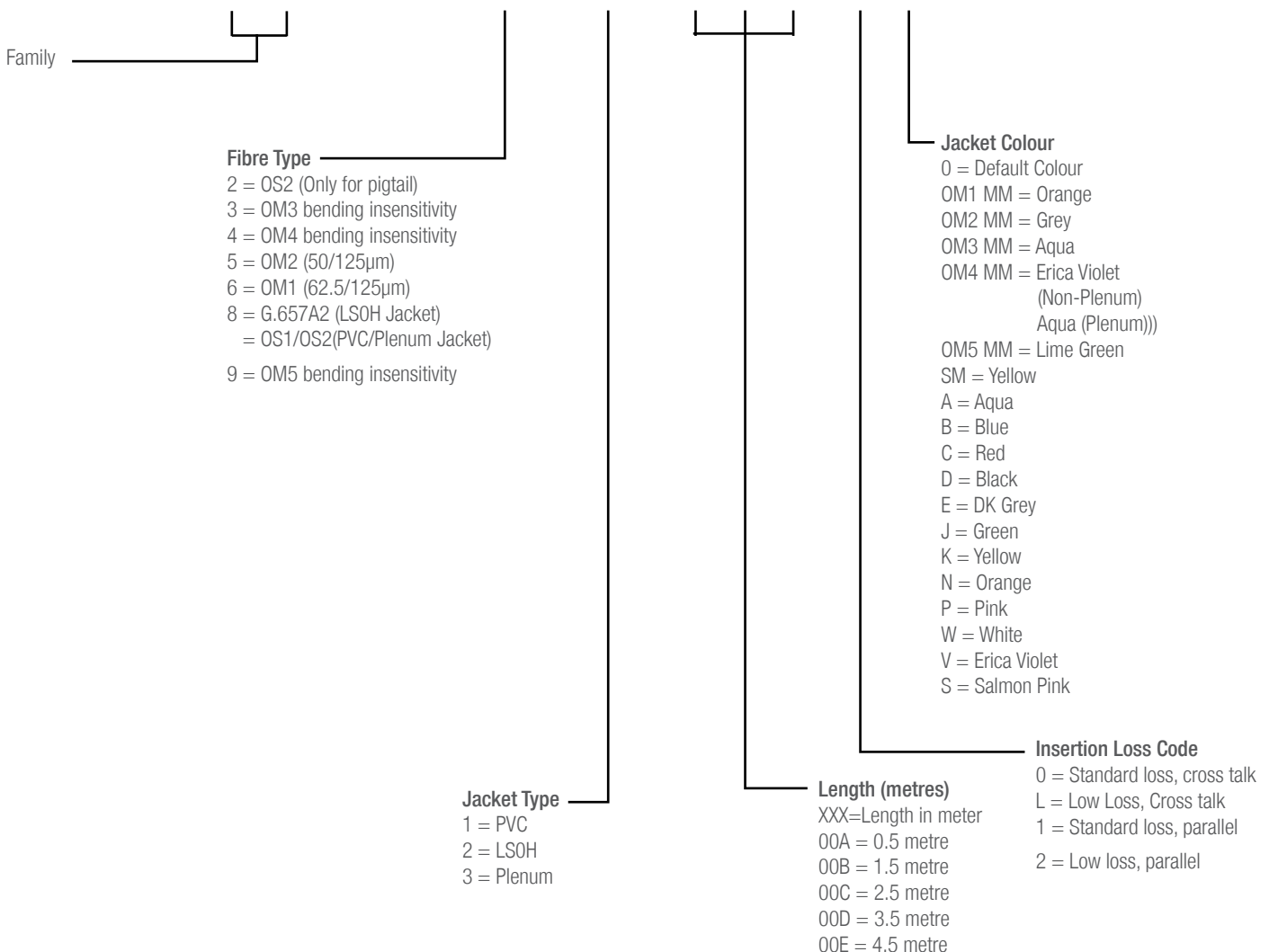


FO Connector maximum allowable values (all values in dB)			
Parameters	MM(850&1300nm)	SM(1310nm&1550nm)	
	UPC	UPC	APC
IL values	0.30	0.30	0.30
Back Reflection	NA	-50.0	-60.0

FO Connector low loss parameter		
Fiber Spec	Max. Insertion lose(dB)	Max. Return lose(dB)
Single Mode	0.15	65
	0.15	55
Multimode	0.15	NA

Part No. Matrix - Substitute the correct code number or letter to determine the assembly instruction

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