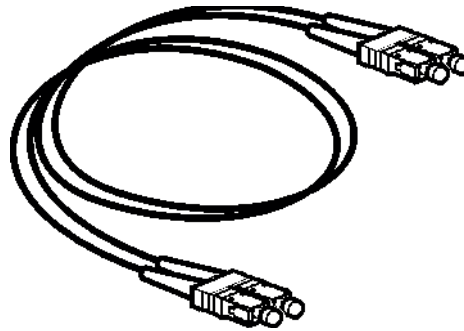


Optic Fibre Patch Cords Singlemode

Cat. No(s): 0 326 00/01/02/03/04/05/06/07/08/18/28/29/ 9 001 53/54/55



1. DESCRIPTION

Legrand optic fibre patchcords are suitable for low loss telecom, datacom, data centre and some critical applications. The patchcords provide flexible inter-connection to active equipment, passive optical devices and cross-connects.

Patchcords are delivered in A to B configuration. Polarity on LC connectors can be switched on the field with a tool to make A to A patchcords.

The patchcords are terminated with ultra physical contact (UPC) or angled physical contact (APC) zirconia ferrule connectors which are manufactured with precision factory mounting and polishing techniques which insures high transmission quality.

OS2 Singlemode optical cords (9/125 µm)

Yellow sheaths

Cat. Nos	Designation	Length
0 326 00	SC/SC duplex cords OS2 G.657.A2 (Standard performance) (A to B)	1 m
0 326 01		2 m
0 326 02		3 m
0 326 03	SC/LC duplex cords OS2 G.657.A2 (Standard performance) (A to B)	1 m
0 326 04		2 m
0 326 05		3 m
0 326 28	LC/LC duplex cords OS2 G.657.A2 (Standard performance) (A to B)	0,5 m
0 326 06		1 m
0 326 07		2 m
0 326 08		3 m
0 326 29		5 m
0 326 18	SC/SC APC simplex cord OS2 G.657.A2 (Standard performance)	2 m
9 001 53/54/55	All patchcords using LC, SC, LC APC or SC APC Std or HP (A to A) or (A to B)	1 to 50 m

2. FEATURES / BENEFITS

- Conform to IEC, EIA-TIA, and Telecordia performances requirements
- RoHS, REACH & SvHC compliant

3. APPLICATIONS

- Data centre
- FTTH
- Telecommunication networks
- LAN and WAN
- Broadband network

4. CONNECTOR SPECIFICATION

Optical performance	Std	HP	Conformance
IL MAX/Master (Acceptance)	0.25 dB	0.15 dB	IEC 61300-3-4
MAX IL/Random	0.40 dB	0.3 dB	IEC 61300-3-34
Ave/Master *	0.18 dB	0.12 dB	IEC 61300-3-4
Ave/Random *	0.18 dB	0.12 dB	IEC 61300-3-34
Return Loss	>55 dB (UPC) / 65 dB (APC)		IEC 61300-3-6

* The change in attenuation for all the above listed criteria shall be a maximum of 0.20 dB

Mechanical properties		Conformance
Mechanical endurance	500 matings	IEC 61300-2-2
Vibration	10-55 Hz, 0,75 amplitude	IEC 61300-2-1
Cable retention	Magnitude 50 N	IEC 61300-2-4
Cable torsion	1.5 kg for 2 mm cable diameter	IEC 613000-2-5

Connector type	Conformance	Colors
SC	IEC 61754-4	Connectors : blue Boots : blue
LC	IEC 61754-20	Connectors : blue Boots : white
SC APC	IEC 61754-4	Connectors : green Boots : green
LC APC	IEC 61754-20	Connectors : green Boots : white

NB : Please note that the LC 2 mm connectors will have heat shrinks to serve the purpose of cable retention.

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5. CABLE SPECIFICATION

Characteristics	Units	Values
Cable Material		LSZH
Strength Member		Aramid
Crush	N	3 000
Operating Temperature	° C	- 40 to 70
Secondary Buffer Diameter	µm	900 ± 50
Sheat Diameter	mm	2 X 2
Minimum Bending Radius	mm	R = 7.5 mm

IMP : The patchcords are available in standard length of 1m, 2m, 3m, 5m, and 10m. For other lengths, please contact your Legrand contact.

6. FIBRE SPECIFICATION

Fiber type : G.657.A2 CEI 60 793-2-50 type B6-a2

Characteristics	Units	OS2	Conformance
Attenuation	dB/km	≤0.38 @ 1310nm ≤0.23 @ 1550nm	IEC 60793-1-40
Chromatic Dispersion	ps/nm.km	≤3.7 @ 1285-1330nm ≤18.5 @ 1550nm	IEC 60793-1-42

7. ON DEMAND

Legrand On Demand Department could offer on demand components :

- Other lengths
- Standard or High Performance
- Consult your agency or local subsidiary