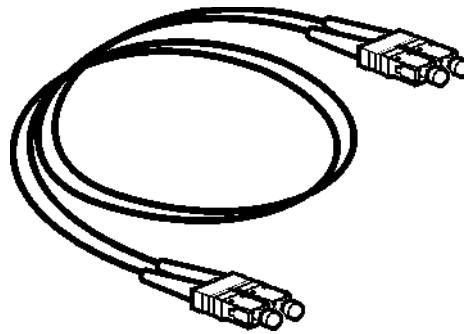


Optic Fibre Patch Cords Multimode

Cat. No(s): **0 326 09/10/11/12/13/14/15/16/17/30/31/32/33/34/35/36/37**
0 330 61/63/65/69/70/71/72/73/75/76/80/81/82
9 001 53/54/55



1. DESCRIPTION

Legrand optic fibre patchcords are suitable for low loss datacom, data centre and some critical applications. The patchcords provide flexible interconnection 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 premium range physical contact or ultra physical contact zirconia ferrule connectors which are manufactured with precision factory mounting and polishing techniques which insures high transmission quality.

OM2 (PC) Multimode optical cords (50/125 µm) - (A to B)

Orange sheaths

CAT. Nos	Designation	Length
0 330 80	ST/ST duplex cords (Standard performance)	1 m
0 330 81		2 m
0 331 82		3 m
0 330 69	SC/SC duplex cords (Standard performance (A to B))	1 m
0 330 70		2 m
0 330 71		3 m
0 330 72	ST/SC duplex cords (Standard performance)	2 m
0 330 73		3 m
0 330 61	LC/LC duplex cord (Standard performance) (A to B)	2 m
0 330 75	SC/LC duplex cords (Standard performance) (A to B)	1 m
0 330 63		2 m
0 330 76		3 m
0 330 65	LC/ST duplex cords (Standard performance)	2 m

OM3 (PC) Multimode optical cords (50/125 µm)

Aqua sheaths

CAT. Nos	Designation	Length
0 326 09	SC/SC duplex cords (Standard performance) (A to B)	1 m
0 326 10		2 m
0 326 11		3 m
0 326 12	SC/LC duplex cords (Standard performance) (A to B)	1 m
0 326 13		2 m
0 326 14		3 m
0 326 15	LC/LC duplex cords (Standard performance) (A to B)	1 m
0 326 16		2 m
0 326 17		3 m
9 001 53/54/55	All patchcords using LC, SC connectors, (Standard or High performance) (A to A) or (A to B)	1 to 50 m

OM4 (PC) Multimode optical cords (50/125 µm)

Aqua sheaths or Erika Violet on demand

CAT. Nos	Designation	Length
0 326 30	SC/SC duplex cords (High performance) (A to B)	1 m
0 326 31		2 m
0 326 32		3 m
0 326 33	LC/LC duplex cords (High performance) (A to B)	0,5 m
0 326 34		1 m
0 326 35		2 m
0 326 36		3 m
0 326 37		5 m
9 001 53/54/55	All patchcords using LC, SC connectors, (Standard or High performance) (A to A) or (A to B)	1 to 50 m

OM5 (PC) Multimode optical cords (50/125 µm)

Lime sheaths

CAT. Nos	Designation	Length
9 001 53/54/55	All patchcords using LC, SC connectors (High performance) (A to A) or (A to B)	1 to 50 m

Other lengths available on demand

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0 330 61/63/65/69/70/71/72/73/75/76/80/81/82
9 001 53/54/55

2. FEATURES / BENEFITS

- Conform to IEC, ANSI-TIA, and Telecordia performances requirements
- Available in different fibre types
- Available with different connector types
- Available in standard and custom lengths
- RoHS, REACH & SvHC compliant

3. APPLICATIONS

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

4. CONNECTOR SPECIFICATION

OPTICAL PERFORMANCE	Standard	High performance	
IL MAX/Master (Acceptance)	0,25 dB	0,15 dB	IEC 61300-3-4
MAX IL/Random	0,4 dB	0,25 dB	IEC 61300-3-34
Ave/Master *	0,15 dB	0,08 dB	IEC 61300-3-4
Ave/Random *	0,20 dB	0,10 dB	IEC 61300-3-34
Return Loss	Length \geq 1m : >35 dB Length < 1m : >25 dB		IEC 61300-3-6

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	IEC 613000-2-5

* The change in attenuation for all the above listed criteria shall be a maximum of 0,20 dB

CONNECTOR TYPE	CONFORMANCE
SC	IEC 61754-4
LC	IEC 61754-20
ST	IEC 61754-2

IMP : 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	DUPLEX
Cable Material		LSZH
Strength Member		Aramid
Crush	N	1 000
Operating Temperature	°C	- 20 to + 60
Secondary Buffer Diameter	µm	900 ± 50
Sheath outside Diameter	mm	2
Minimum Bending Radius	mm	10 D (installed) 20 D (loaded)

6. FIBRE SPECIFICATION

Fiber type :
 OM2 CEI 60793-2-10 Type A1a.1
 OM3 CEI 60793-2-10 Type A1a.2
 OM4 CEI 60793-2-10 Type A1a.3
 OM5 CEI 60793-2-10 Type A1a.4

Characteristics	Units	OM2	OM3	OM4	OM5	Conformance
Attenuation	dB/km	≤3.5 @ 850 nm ≤1.5 @ 1300 nm	≤2.5 @ 850 nm ≤0.8 @ 1300 nm	≤2.5 @ 850 nm ≤0.7 @ 1300 nm	≤2.5 @ 850 nm ≤1.8 @ 953 nm ≤0.7 @ 1300 nm	CEI 60793-1-40
Bandwidth	MHz.km	≥500 @ 850 nm ≥500 @ 1300 nm	≥1500 @ 850 nm ≥500 @ 1300 nm	≥3500 @ 850 nm ≥500 @ 1300 nm	≥3500 @ 850 nm ≥1850 @ 953 nm ≥500 @ 1300 nm	CEI 60793-1-41

7. REALIZATION ON DEMAND

Legrand On Demand Department could offer on demand components :

- Other lengths
- Standard or High Performance
- Cords A to A
- Cords OM3, OM4 and OM5 : see possibility in boards above
- Consult your agency or local subsidiary