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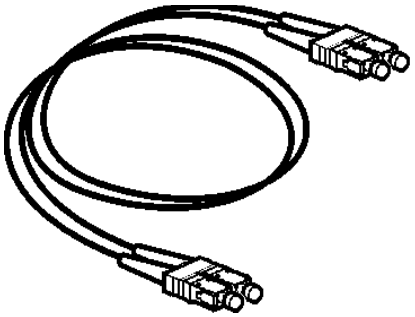
Optic Fibre Patch Cords Multimode

Cat. No(s).: 0 322 60/61/62/63/64/65/66/67/68 - 0 326 09/10/11/12/13/14/15
0 326 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 convert to 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)
Orange sheaths

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

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

CAT. Nos	Designation	Length
0 326 09	SC/SC duplex cords LSZH (Core performance) **(A to B)**	1 m
0 326 10		2 m
0 326 11		3 m
0 326 12	SC/LC duplex cords LSZH (Core performance) **(A to B)**	1 m
0 326 13		2 m
0 326 14		3 m
0 326 15	LC/LC duplex cords LSZH (Core 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 (Core or Ultra performance), and ST connectors (Core 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
0 322 60	SC/SC duplex cords LSZH (Core performance) **(A to B)**	1 m
0 322 61		2 m
0 322 62		3 m
0 322 63	LC/SC duplex cords LSZH (Core performance) **(A to B)**	1 m
0 322 64		2 m
0 322 65		3 m
0 322 66	LC/LC duplex cords LSZH (Core performance) **(A to B)**	1 m
0 322 67		2 m
0 322 68		3 m
0 326 30	SC/SC duplex cords LSZH (Ultra performance) **(A to B)**	1 m
0 326 31		2 m
0 326 32		3 m
0 326 33	LC/LC duplex cords LSZH (Ultra 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, (Core or Ultra performance), and ST connectors (Core 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 (Core or Ultra performance), and ST connectors (Core performance) **(A to A) or (A to B)**	1 to 50 m

Other lengths available on demand

2. FEATURES / BENEFITS

- Conform to IEC, ANSI/TIA, and Telecordia performances requirements
- RoHS, REACH & SvHC compliant
- 3D endface geometry (interferometry): sampling quality control
- Optical performance : 100% factory tested

3. APPLICATIONS

The Legrand core, ultra and quantum connectivity performances are far superior than standard. They provide the following benefits for the user :

- Wider range of applications
- More flexibility in the design
- Energy saving on the active (transceivers).

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

4. CONNECTOR SPECIFICATION

OPTICAL PERFORMANCE	Core performance	Ultra performance	
IL Max/Master	0.25 dB	0.15 dB	IEC 61300-3-4
IL Max/Random *	0.30 dB	0.20 dB	IEC 61300-3-34
Typ. IL/Master	0.10 dB	0.08 dB	IEC 61300-3-4
Typ. IL/Random *	0.15 dB	0.10 dB	IEC 61300-3-34
Return Loss	Length ≥ 1m : >35 dB Length < 1m : >25 dB		IEC 61300-3-6

* Performance is guaranteed only with other components of the same Legrand range (Core, Ultra and Quantum). Mixing ranges or use of components of other brand may lead to a different performance of the system.
The uncertainty value for field measurement with LSPM testing using a reference cord defined in ISO/IEC 14763-3 applies to field testing with proposed Legrand testing cords. Refer to the Fiber Optic Testing Guide for Legrand Solutions.

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 61300-2-5

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

CONNECTOR TYPE	CONFORMANCE	COLOR
SC	IEC 61754-4	Connector: Beige (OM2, OM3, OM5), Aqua (OM4) Boot: Beige (OM2, OM3, OM5), Aqua (OM4)
LC	IEC 61754-20	Connector: Beige (OM2, OM3, OM5), Aqua (OM4) Boot: White (OM2, OM3, OM4, OM5)
ST	IEC 61754-2	Connector: Metal (OM2, OM3, OM4) Boot: Black

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

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 x 2
Minimum Bending Radius	mm	10 D (installed) 20 D (loaded)

6. FIBRE SPECIFICATION

Fiber type :

OM2	IEC 60793-2-10 Type A1a.1
OM3	IEC 60793-2-10 Type A1a.2
OM4	IEC 60793-2-10 Type A1a.3
OM5	IEC 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	IEC 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	IEC 60793-1-41

7. ON DEMAND OFFER

Legrand On Demand Department could offer on demand components :

- Other lengths
- Core, Ultra or Quantum performance
- Cords A to A
- Cords OM3, OM4 and OM5 : see possibility in boards above
- Consult your agency or local subsidiary
- For Quantum, ask for specific datasheet