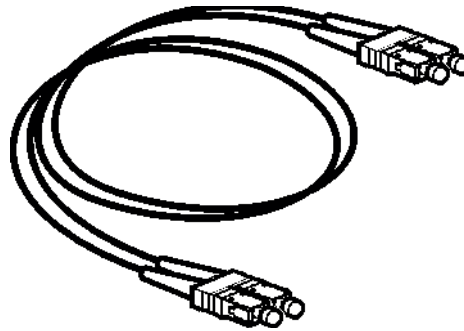


Optic Fibre Patch Cords Singlemode

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.

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

OS1/OS2 Singlemode optical cords (9/125 µm)

Yellow sheaths

| CAT. Nos | Designation | Length |
|----------------|--|-----------|
| 0 326 00 | SC/SC duplex cords (Standard performance) (G.652.D) (A to B) | 1 m |
| 0 326 01 | | 2 m |
| 0 326 02 | | 3 m |
| 0 326 03 | SC/LC duplex cords (Standard performance) (G.652.D) (A to B) | 1 m |
| 0 326 04 | | 2 m |
| 0 326 05 | | 3 m |
| 0 326 28 | LC/LC duplex cords (Standard performance) (G.652.D) (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 (Standard performance) (G.657.A2) (A to B) | 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
- FTTX
- 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 | |
|----------------|--------------|---------------------------|
| SC | IEC 61754-4 | SM UPC - Blue with clips |
| LC | IEC 61754-20 | SM UPC - Blue with clips |
| SC APC | IEC 61754-4 | SM APC - Green with clips |
| LC APC | IEC 61754-20 | SM APC - Green with clips |

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

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

5. CABLE SPECIFICATION

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

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.652.D CEI 60 793-2-50 type B1.3
G.657.A2 CEI 60 793-2-50 type B6-a2

| Characteristics | Units | OS2 | Conformance |
|----------------------|----------|--------------------------------------|----------------|
| Attenuation | dB/km | ≤0.39 @ 1310nm ≤0.25 @ 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