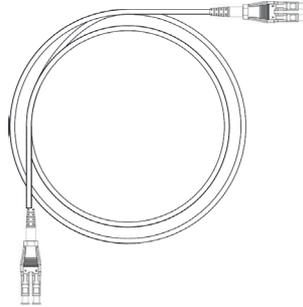


Uniboot Optic Fibre Patch Cords Singlemode

Cat. No(s): 0 326 86/87/88/89/92
9 001 53/54/55



1. DESCRIPTION

Legrand optic fibre uniboot patchcords are suitable for low loss telecom, datacom, data centre and some critical applications. The patchcords provide flexible interconnection to active equipment, passive optical devices and cross-connects. Uniboot patchcord connectors are switchable. They are delivered in a A to B configuration, connectors can be easily switched to convert to A to A patchcords on the field. The patchcords are terminated with ultra physical contact, zirconia ferrule connectors which are manufactured with precision factory mounting and polishing techniques which helps assure high transmission quality.

OS1a/OS2 (UPC) singlemode uniboot optical patchcords (9/125 µm)

| Cat. Nos | Designation | Length |
|-----------------------------|---|-----------|
| 0 326 86 | Patchcord LC/LC uniboot switchable OS2 Ultra G657A2 LSZH (A to B) | 1 m |
| 0 326 87 | | 2 m |
| 0 326 88 | | 3 m |
| 0 326 89 | | 5 m |
| 0 326 92 | | 10 m |
| On-demand 9 001 53/54/55 | Patchcord LC/LC Uniboot switchable OS2 Ultra G657A2 LSZH (A to B) | 1 to 50 m |

2. FEATURES / BENEFITS

- Duplex connectors with uniboot configuration to save space into high density environment.
- Easy switchable to change the standard A to B configuration to a A to A configuration
- Fiber identification on each connectors.
- Conform to IEC, ANSI/TIA, and Telecordia performances requirements
- RoHS, REACH & SvHC compliant
- Available in standard and custom lengths
- 3D endface geometry (interferometry): sampling quality control.
- Optical performance: 100% factory tested
- B657A2 fiber for improved bend radius

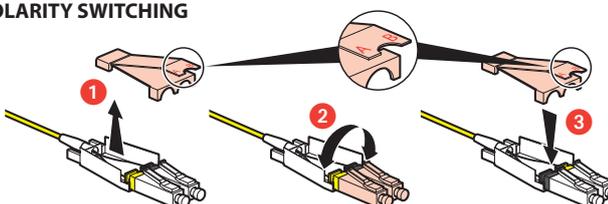
3. APPLICATIONS

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. POLARITY SWITCHING



5. CONNECTOR AND FIBER SPECIFICATIONS

| Fiber type | OS1a/OS2 G657A2/B2 | IEC 60793-2-50 Category B657.a2 and B657.b2 (B6.a2 and B6.b2) |
|------------------|--------------------|---|
| Measurement | Ultra Performance | Conformance |
| IL Max/Master | 0.15 dB | IEC 61300-3-4 |
| IL Max/Random * | 0.25 dB | IEC 61300-3-34 |
| Typ. IL/Random * | 0.12 dB | IEC 61300-3-34 |
| Typ. IL/Master | 0.12 dB | IEC 61300-3-34 |
| Return Loss | > 55 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.

6. CONNECTOR MECHANICAL SPECIFICATION

| 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 | Colours |
|----------------|--------------|----------------------------------|
| LC | IEC 61754-20 | Connector : Blue Boot : white |

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7. CABLE SPECIFICATION

| Characteristics | Units | Values |
|---------------------------|---------|------------|
| Cable Material | | LSZH |
| Cable diameter | mm | 3 |
| Cable colour | | Yellow |
| Strength Member | | Aramid |
| Crush | N/100mm | 1 000 |
| Operating Temperature | ° C | -20 to +60 |
| Secondary Buffer Diameter | µm | 900 ± 50 |
| Minimum Bending Radius | mm | R = 7.5 mm |