

Data Center Premium Patch Cords



Description

Our premium data center patch cords are designed for low loss data center applications. They provide flexible interconnection to active equipment, passive optical devices and cross-connects. Our patch cords are terminated with premium grade zirconia ferrule connectors which help assure high transmission quality and low optical power loss.

Features and Benefits

- Premium Low Loss optical performance to meet tight data center power budgets
- Optimised LC and SC connector types
- Available in standard and custom lengths
- RoHS materials, REACH and SvHC compliant
- New flexible boot allows connection in compact spaces
- Standard and Reduced Bend Sensitivity OM3, OM4 and OS2 Fiber types
- IEC, EIA/TIA or Telecordia compliant

Applications

- Data Centers
- Storage Area Networks (SANs)
- High Bandwidth Ethernet and Fiber Channel
- Any critical network

Specifications

Connector Specification

| OPTICAL PERFORMANCE | SINGLE MODE | MULTIMODE | CONFORMANCE |
|----------------------------|-------------|-----------|----------------|
| IL Max/Master (Acceptance) | 0.15 dB | 0.15 dB | IEC 61300-3-4 |
| Ave/Master | 0.12 dB | 0.08 dB | IEC 61300-3-4 |
| Ave/Random | 0.12 dB | 0.10 dB | IEC 61300-3-34 |
| Return Loss* | 55/65 dB | ≥28dB | IEC 61300-3-6 |

*Return Loss based on sample data

| MECHANICAL PROPERTIES | VALUE | CONFORMANCE |
|-----------------------|--|----------------|
| Mechanical endurance | 500 matings | IEC 61300-2-2 |
| Vibration | 10-55 Hz, 0.75 amplitude | IEC 61300-2-1 |
| Drop | 5 drops at 1 m | IEC 61300-2-12 |
| Cable retention | 50 N | IEC 61300-2-4 |
| Cable torsion | 1.5 kg-2.5 kg for 2 mm-3 mm cable diameter | IEC 61300-2-5 |

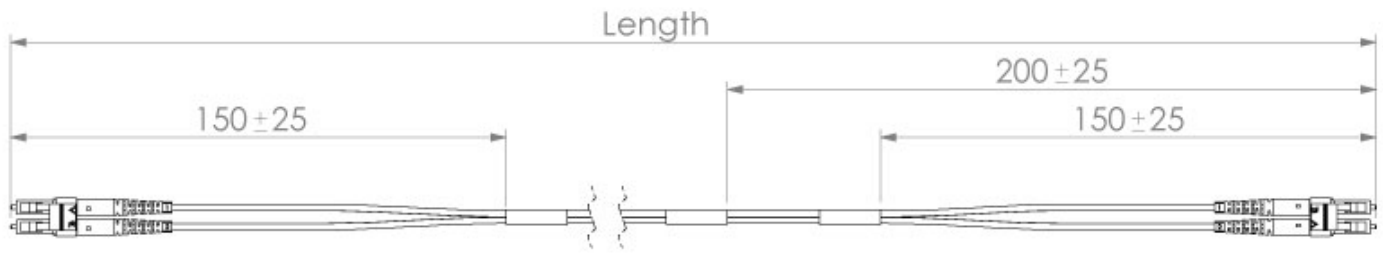
| CONNECTOR TYPE | CONFORMANCE | SINGLE MODE | MULTIMODE | SINGLE MODE DUPLEX | MULTIMODE DUPLEX |
|----------------|--------------|--|---------------------------|--|---------------------------|
| SC Connector | IEC 61754-4 | SM PC - Blue, Blue Boots APC - Green, Green Boots | MM PC - Aqua, Aqua Boots | SM PC - Blue, Blue Boots APC - Green, Green Boots | MM PC - Aqua, Aqua Boots |
| LC Connector | IEC 61754-20 | SM PC - Blue, White Boots APC - Green, White Boots | MM PC - Aqua, White Boots | SM PC - Blue, White Boots APC - Green, White Boots | MM PC - Aqua, White Boots |

Cable Specification

| CHARACTERISTICS | |
|--|--------------------------------|
| Cable Material | LSZH* |
| Strength Member | Aramid |
| Crush (N) | 1000 |
| Operating Temperature (°C) | -20 to 60 |
| Fire Specification | IEC 60332-1 |
| Secondary Buffer Diameter (2.0mm) µm | 900±50 |
| Secondary Buffer Diameter (1.6mm and 1.8mm) µm | 600±50 |
| Minimum Bend Radius (mm) | 10D (installed) - 20D (loaded) |

*Also available in PVC

Technical Drawing



Length Tolerances:

- 0/+100mm (Length<0.5m)
- 0/+150mm (0.5m≤Length<5m)
- 0/+200mm (5m≤Length<20m)
- ±1% (Length≥20m)

Ordering Information

| Code | Fibre Type | Cable Type | Jacket Material | Color | Code | End A | End B | Code | Unit | Length |
|------|------------|-----------------|-----------------|-------------------------------------|------|-------|-------|---------------------|----------|------------|
| P | 3 OM3 | AH1 Simplex 2mm | L LSZH | 9 YELLOW CABLE | P | A LC | A LC | -0014- (DC Boots) | M Meters | 1 1 |
| | 4 OM4 | AQ2 Zip 2mm | R OFNR | K AQUA CABLE AND CONNECTORS | | B LCA | B LCA | -0008- (Short Boot) | F Feet | 2 2 |
| | 7 G.657A1 | | | L ERIKA VIOLET CABLE AND CONNECTORS | | D SC | D SC | | | 3 3 |
| | 8 G.657A2 | | | | | E SCA | E SCA | | | 5 5 |
| | | | | | | | | | | 10 10 |
| | | | | | | | | | | XX Specify |

Legacy ordering information

| Connector End A | Connector End B | Fiber Type | Cable Configuration | Cable Colour | Cable Diameter | Cable Length | -DC |
|-------------------|-------------------|-------------|---------------------|-----------------|---------------------|--------------|-----|
| LC LC | LC LC | 09 OS2 | D Duplex | YE Yellow | 1.6MM 1.6mm | 1 1 meter | |
| LCA LC APC | LCA LC APC | 7A1 G.657A1 | S Simplex | AQ Aqua | 1.8MM 1.8mm | 2 2 meter | |
| LCS LC Short Boot | LCS LC Short Boot | 7A2 G.657A2 | DL Duplex LSZH-3 | EV Erika Violet | (Leave Blank) 2.0mm | 3 3 meter | |
| SC SC | SC SC | OM3 OM3 | SL Simplex LSZH-3 | | | 5 5 meter | |
| SCA SC APC | SCA SC APC | RM3 OM3 RBS | | | | 10 10 meter | |
| | | OM4 OM4 | | | | xx Specify | |
| | | RM4 OM4 RBS | | | | | |

Example Part Number

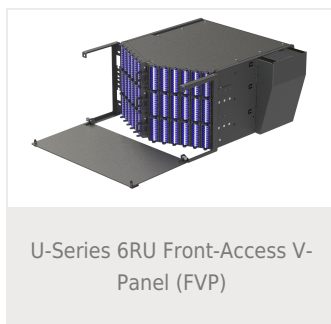
| | | | | | | | |
|-----|----|-----|---|----|-------|---|------|
| LCS | LC | RM3 | D | AQ | 1.6MM | 5 | - DC |
|-----|----|-----|---|----|-------|---|------|

This part number has created a 5 meter LC duplex Patch cord made with 1.6mm zip cable OM3 RBS with short boot at one end.

Additional Images



Related Products





FOCIS Flex Fiber Scope