

50/125 (OM4) Optical Fibre Patchcords

V.3.2

Description

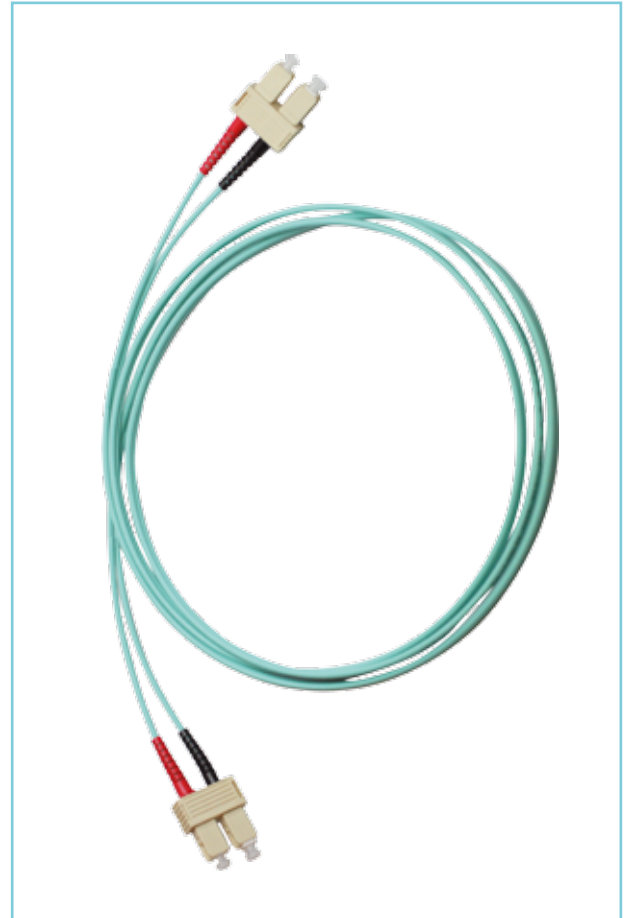
FibreFab multimode patchcords are used to connect high speed and legacy networks like Gigabit Ethernet, Fast Ethernet and Ethernet. The multimode patchcords are manufactured using LSZH cables which conform to IEC, EIA TIA and Telecordia standards. The OM4 patchcords are terminated with standard FibreFab connector which gives optimum optical performance.

Features / Benefits

- ▶ SC, LC, ST, FC and MTRJ connectors
- ▶ Low smoke zero halogen (LSZH) cable in aqua colour
- ▶ 900µm tight buffer
- ▶ OM4 fibre conforms to ITU-651, TIA/EIA 492AAAD
- ▶ Simplex and duplex assemblies
- ▶ Duplex assemblies available with clips (SC and LC)
- ▶ Different connector performance range for specific application

Applications

- ▶ For use in 10 Gb/s high speed LAN networks over a 550 m indicative link length at 850 nm (SX) wavelength using a laser launch
- ▶ For use in 1 Gb/s high speed LAN networks over a 2000 m indicative link length at 850 nm (SX) wavelength using a laser launch
- ▶ High speed and legacy networks including Gigabit Ethernet, Fast Ethernet and Ethernet
- ▶ Data centers
- ▶ Premises cabling in data networks including backbone, riser and horizontal
- ▶ Supports video, data and voice services



Connector Specification

| OPTICAL PERFORMANCE | MULTIMODE | CONFORMANCE |
|----------------------------|-----------|----------------|
| IL Max/Master (Acceptance) | 0.30 dB | IEC 61300-3-4 |
| Ave/Master* | 0.15 dB | IEC 61300-3-4 |
| Ave/Random* | 0.20 dB | IEC 61300-3-34 |

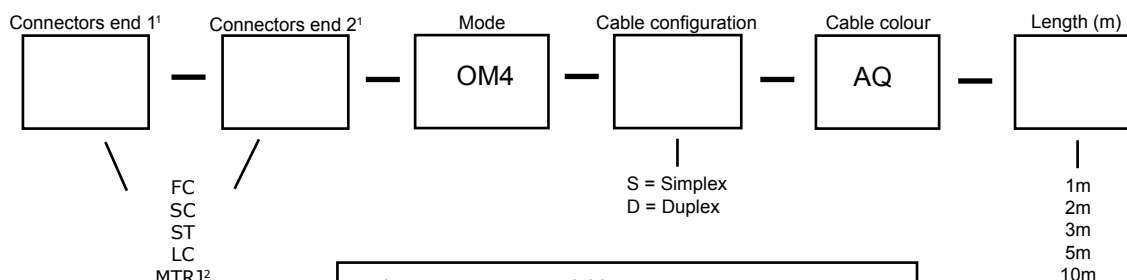
Cable Specification

| Characteristics | Simplex | Duplex |
|----------------------------|---------------------------|-------------|
| Cable Material | LSZH or PVC | LSZH or PVC |
| Strength Member | Aramid | Aramid |
| Crush (N) | 1000 | 1000 |
| Operating Temperature (°C) | -20 to 60 | -20 to 60 |
| Fire Specification | IEC 60332-1 / IEC 60332-3 | |

Fibre Specification

| CHARACTERISTICS | |
|-------------------------------------|--|
| Attenuation (dB) | 2.8 @ 850nm / 0.8 @ 1310nm |
| Bandwidth OFL (MHz x km) | 3500 @ 850nm / 500 @ 1310nm |
| Max Ethernet Transmittable Distance | Please refer to Fibre Comparison Chart |

Part Number Generator



¹ Other Connectors Available on Request
² MTRJ is only available in MiniZip