



X 100% Optical Test

X Test Certificate with each cable

X Batch Number Tracking

Features

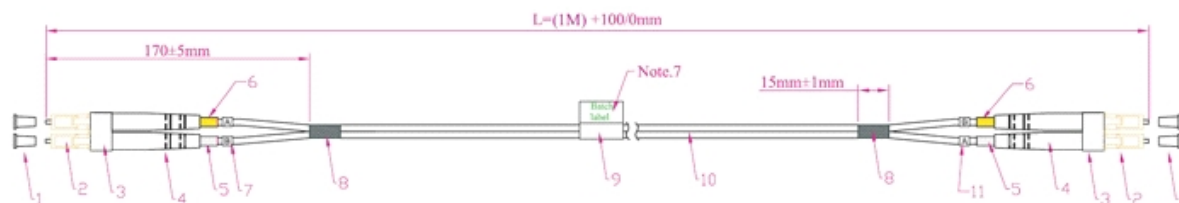
- 100% Optical Test
- Batch Number Tracking
- Aqua outer sheath
- Broad range of connectivity options
- Each cable is individually bagged and labelled
- Factory terminated under ISO9001 quality control procedures
- Test Certificate with each cable
- Low smoke zero halogen cable
- 900 μm 50/125 μm duplex cable
- High quality connectors
- Receive and transmit legs clearly indicated

Product Overview

Excel duplex patch leads are manufactured from the highest quality 900 μm optical fibre, terminated with ceramic ferrule connectors of various types. Cable preparation, termination and testing is carried out to strictly managed procedures in an Excel approved manufacturing facility. Applications include the connections between optical patching panels and network or server equipment and directly from devices to the local or wide area network or physical security equipment.

Each cable has strain relief boots to prolong and maintain performance levels of the assembly, transmit and receive 'legs' of each duplex cable are identified by means of ring type cable marker fixed to each end of the assembly. A short distance from these identification rings heat shrink is applied to maintain an easy to manage bonded two fibre cable, finally a label containing a unique batch number is fixed to the centre of cable for quality and traceability purposes.





Cable

| Measure | SC Assembly | LC Assembly |
|----------------------------------|---------------|---------------|
| Attenuation (Max dB @850nm) | ≤ 2.3 | ≤ 2.3 |
| Attenuation (Max dB @1300nm) | ≤ 0.6 | ≤ 0.6 |
| EM Bandwidth (Min MHz.km @850nm) | ≥4700 | ≥4700 |
| Bandwidth (Min MHz.km @1300nm) | ≥500 | ≥500 |
| No of Fibres | 2 | 2 |
| Outer Diameter WxH in mm | 2.8 x 5.7 | 2.0 x 4.1 |
| Max Tension - Short term | 300 N | 300 N |
| Max Tension - Short term | 160 N | 160 N |
| Min Bend Radius - During install | 20 x H | 20 x H |
| Min Bend Radius - After install | 10 x H | 10 x H |
| Outer sheath colour | Aqua | Aqua |
| Outer sheath µm | 900 | 900 |
| Outer sheath Material | IEC332-1 LSOH | IEC332-1 LSOH |
| Temperature range °C | -20 to + 70 | -20 to + 70 |
| RoHS Compliant | Yes | Yes |
| Weight kg/km | 13.2 | 13.2 |

Performance Characteristics

Connector

| Measure | SC Connector | LC Connector |
|----------------------------|---------------|----------------|
| Insertion Loss (dB @850nm) | < 0.3 | < 0.3 |
| Ferrule | 2.5mm ceramic | 1.25mm ceramic |
| Housing | Composite | Composite |
| Connector Design | IEC61754-4 | IEC61754-20 |

Part Number Information

| Part No. | Description |
|----------|--|
| 204-300 | OM4 LC-LC Duplex Patch Lead 50/125, 1m, Aqua |
| 204-301 | OM4 LC-LC Duplex Patch Lead 50/125, 2m, Aqua |
| 204-302 | OM4 LC-LC Duplex Patch Lead 50/125, 3m, Aqua |
| 204-303 | OM4 LC-LC Duplex Patch Lead 50/125, 5m, Aqua |
| 204-304 | OM4 LC-SC Duplex Patch Lead 50/125, 1m, Aqua |
| 204-305 | OM4 LC-SC Duplex Patch Lead 50/125, 2m, Aqua |
| 204-306 | OM4 LC-SC Duplex Patch Lead 50/125, 3m, Aqua |
| 204-307 | OM4 LC-SC Duplex Patch Lead 50/125, 5m, Aqua |
| 204-308 | OM4 SC-SC Duplex Patch Lead 50/125, 1m, Aqua |
| 204-309 | OM4 SC-SC Duplex Patch Lead 50/125, 2m, Aqua |
| 204-310 | OM4 SC-SC Duplex Patch Lead 50/125, 3m, Aqua |
| 204-311 | OM4 SC-SC Duplex Patch Lead 50/125, 5m, Aqua |

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