





X G.652.D Compliant

X 100% Optical Test

 $oldsymbol{\mathsf{X}}$ Test Certificate with each cable

X Batch Number Tracking

Features

- G.652.D Compliant
- Test Certificate with each cable
- Low smoke zero halogen cable
- 900 or 600μm 9/125μm duplex cable
- High quality connectors
- Receive and transmit legs clearly indicated
- Delivers OS1 and OS2 Performance

- 100% Optical Test
- Batch Number Tracking
- Yellow outer sheath
- Broad range of connectivity options
- Each cable is individually bagged and labelled
- Factory terminated under ISO9001 quality control procedures

Product Overview

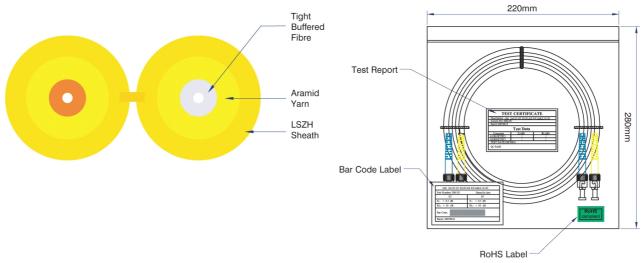
Excel duplex patch leads are manufactured from the highest quality G.652.D optical fibre, terminated with ceramic ferrule connectors of various types. The singlemode are compatible with OS1 & OS2 optical fibre channels. Cable preparation, termination and testing is carried out to strictly managed procedures 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 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.

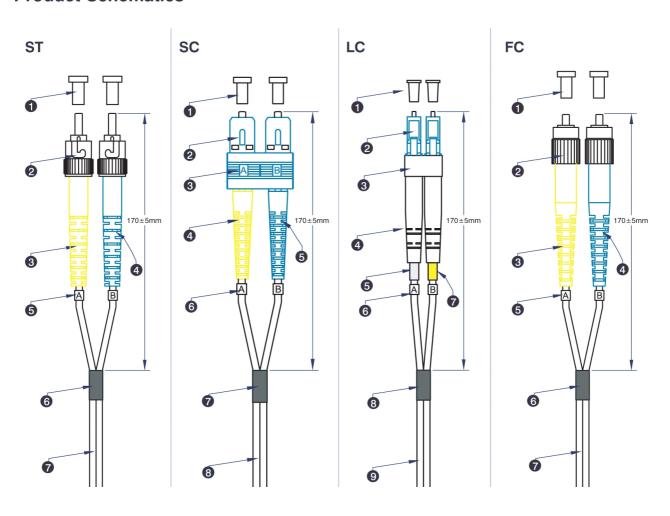
Performance Characteristics Connector

| Measure | ST Connector | SC Connector | LC Connector | FC Connector |
|------------------|-----------------|---------------|----------------|------------------|
| Insertion Loss | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| dB @1310nm | | | | |
| Return Loss | < 50 | < 50 | < 50 | < 50 |
| dB @1310nm | | | | |
| Ferrule | 2.5mm ceramic | 2.5mm ceramic | 1.25mm ceramic | 2.5mm ceramic |
| Housing | Nickel Brass | Composite | Composite | Nickel Brass |
| Connector Design | EC60874-10-1997 | IEC61754-4 | IEC61754-20 | IEC61754-13-2006 |
| | | | | |

Cable Profile Packaging



Product Schematics



Cable

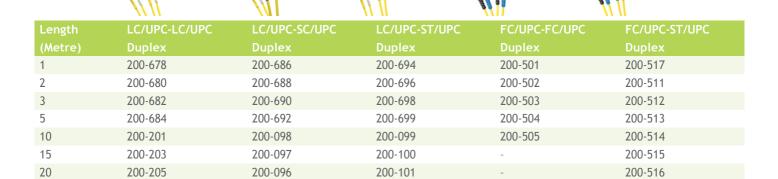
| Measure | ST Assembly | SC Assembly | LC Assembly | FC Assembly |
|--------------------------|---------------|---------------|---------------|---------------|
| Attenuation | ≤ 0.4 | ≤ 0.4 | ≤ 0.4 | ≤ 0.4 |
| Max dB 1310nm | | | | |
| Attenuation | ≤ 0.3 | ≤ 0.3 | ≤ 0.3 | ≤ 0.3 |
| Max dB @1550nm | | | | |
| Dispertion Coefficient | <3.0 | <3.0 | <3.0 | <3.0 |
| ps.nm-1.km-1 @1310nm | | | | |
| Dispertion Coefficient | <18.0 | <18.0 | <18.0 | <18.0 |
| ps.nm-1.km-1 @1550nm | | | | |
| No of Fibres | 2 | 2 | 2 | 2 |
| Outer Diameter WxH in mm | 2.8 x 5.7 | 2.8 x 5.7 | 2.8 x 5.7 | 2.8 x 5.7 |
| Outer sheath colour | Yellow | Yellow | Yellow | Yellow |
| Outer sheath µm | 900 | 900 | 900 | 900 |
| Outer sheath Material | IEC332-1 LSOH | IEC332-1 LSOH | IEC332-1 LSOH | IEC332-1 LSOH |
| Temperature range °C | -20 to + 70 |
| RoHS Compliant | Yes | Yes | Yes | Yes |
| Weight kg/km | 13.2 | 13.2 | 13.2 | 13.2 |







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|----------------|----------------------|---|----------------------|
| Length (Metre) | ST/UPC-ST/UPC Duplex | SC/UPC-SC/UPC Duplex | ST/UPC-SC/UPC Duplex |
| 1 | 200-251 | 200-261 | 200-255 |
| 2 | 200-252 | 200-262 | 200-256 |
| 3 | 200-253 | 200-263 | 200-257 |
| 5 | 200-254 | 200-264 | 200-259 |
| 10 | 200-107 | 200-102 | 200-268 |
| 15 | 200-108 | 200-103 | 200-105 |
| 20 | 200-109 | 200-104 | 200-106 |
| | | | |











| Length (Metre) | FC/UPC-SC/UPC | SC/APC-SC/APC | SC/APC-SC/UPC | SC/APC-LC/UPC |
|----------------|---------------|---------------|---------------|---------------|
| 1 | 200-534 | 201-001 | 201-021 | 201-041 |
| 2 | 200-535 | 201-002 | 201-022 | 201-042 |
| 3 | 200-536 | 201-003 | 201-023 | 201-043 |
| 5 | 200-537 | 201-005 | 201-025 | 201-045 |
| 10 | 200-538 | 201-010 | 201-030 | 201-050 |

Availability

Excel OS2 pigtails are generally available from stock in 1 and 2 metre lengths. For requirements which may vary from this, such as specific length, colour or labelling requirements, please contact your local Excel distributor.

Excel is a world-class premium performing end-to-end infrastructure solution - designed, manufactured, supported and delivered - without compromise.

Contact us at sales@excel-networking.com



www.excel-networking.com