

X 25 year warranty

X 100% Optical Test

X Test Certificate with each cable

X Batch Number Tracking

**Features**

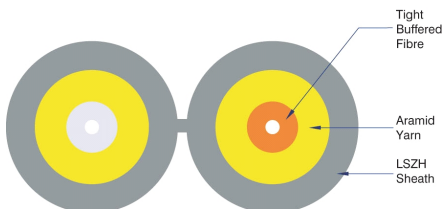
- 25 year warranty
- Test Certificate with each cable
- Low smoke zero halogen cable
- 900 or 600µm 62.5/125µm duplex cable
- High quality connectors
- Receive and transmit legs clearly indicated
- 100% Optical Test
- Batch Number Tracking
- Available with grey or orange outer sheath
- Broad range of 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 900 or 600µm 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.

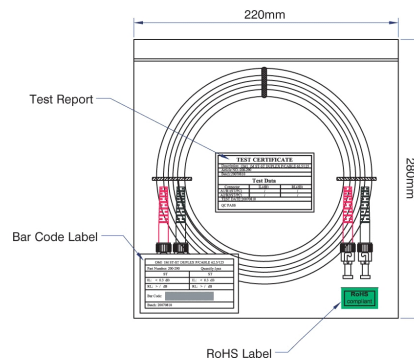
Each cable has strain relief boots to prolong and maintain performance levels of the assembly, transmit and receive 'legs' of each duplex cable are identified by means of ring type cable marker fixed to each end the assembly. A short distance from these identification rings heat shrink is applied to 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 Profile**



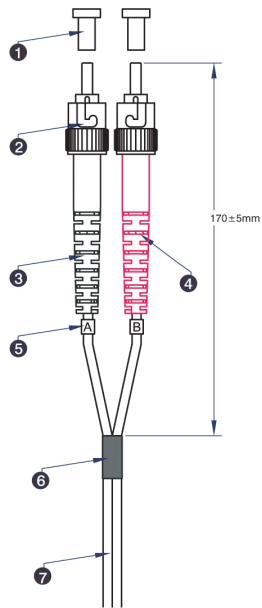
Available with grey or orange outer sheath

**Packaging**



## Product Schematics

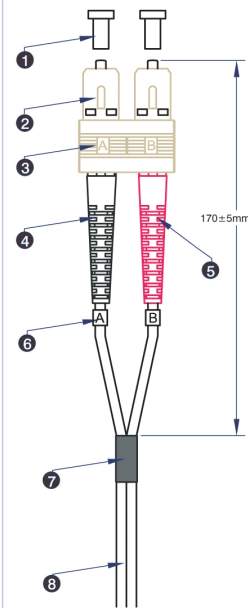
ST



- 1 ST Dust cover
- 2 ST 3.0 multimode connector\*
- 3 ST 3.0 Black strain relief boot\*
- 4 ST 3.0 Red strain relief boot\*
- 5 Identification ring
- 6 Black heatshrink tubing
- 7 3.0mm Duplex OM1 62.5/125 LSOH Grey or Orange cable\*

\* 2.0 when used in hybrid cables with LC or MTRJ connectors

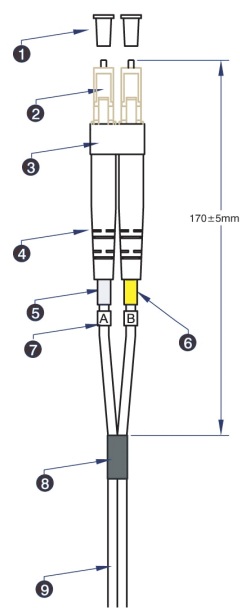
SC



- 1 SC Dust cover
- 2 SC 3.0 Beige multimode connector\*
- 3 SC Beige clip
- 4 SC 3.0 Black strain relief boot\*
- 5 SC 3.0 Red strain relief boot\*
- 6 Identification ring
- 7 Black heatshrink tubing
- 8 3.0mm Duplex OM1 62.5/125 LSOH Grey or Orange cable\*

\* 2.0 when used in hybrid cables with LC or MTRJ connectors

LC



- 1 LC Dust cover
- 2 LC 2.0 multimode simplex Beige connector
- 3 LC Beige clip
- 4 LC 2.0 white boot
- 5 White heatshrink tubing
- 6 Yellow heatshrink tubing
- 7 Identification ring
- 8 Black heatshrink tubing
- 9 2.0mm Duplex OM1 62.5/125 LSOH Grey or Orange cable

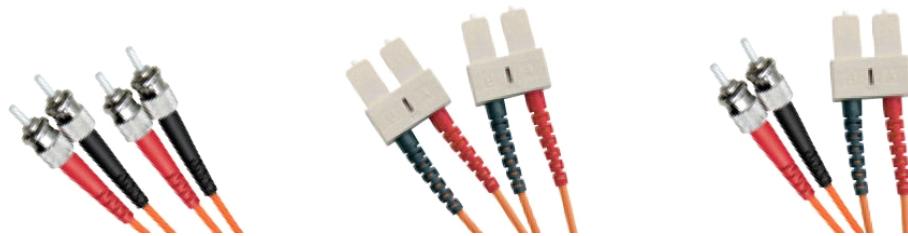
## Performance Characteristics

### Connector

Measure	ST Connector	SC Connector	LC Connector
Insertion Loss (dB @850nm)	< 0.3	< 0.3	< 0.3
Ferrule	2.5mm ceramic	2.5mm ceramic	1.25mm ceramic
Housing	Nickel Brass	Composite	Composite
Connector Design	EC60874-10-1997	IEC61754-4	IEC61754-20

### Cable

Measure	ST Assembly	SC Assembly	LC Assembly
Attenuation (Max dB @850nm)	≤ 3.5	≤ 3.5	≤ 3.5
Attenuation (Max dB @1300nm)	≤ 1.5	≤ 1.5	≤ 1.5
Bandwidth (Min MHz.km @850nm)	≥200	≥200	≥200
Bandwidth (Min MHz.km @1300nm)	≥500	≥500	≥500
No of Fibres	2	2	2
Outer Diameter WxH in mm	2.8 x 5.7	2.8 x 5.7	2 x 4
Outer sheath colour	Grey or Orange	Grey or Orange	Grey or Orange
Outer sheath μm	900	900	900
Outer sheath Material	IEC332-1 LSOH	IEC332-1 LSOH	IEC332-1 LSOH
Temperature range °C	-20 to + 70	-20 to + 70	-20 to + 70
RoHS Compliant	Yes	Yes	Yes
Weight kg/km	13.2	13.2	8.2



### Part Number Information

Length (Metre)	ST-ST Duplex	SC-SC Duplex	ST-SC Duplex
1	200-290	200-500	200-600
2	200-300	200-510	200-610
3	200-310	200-520	200-620
5	200-320	200-530	200-630
10	200-324	200-524	200-634
15	200-326	200-525	200-635
20	200-329	200-526	200-636



### Part Number Information

Length (Metre)	LC-LC Duplex	LC-SC Duplex	LC-ST Duplex
1	200-181	200-185	200-189
2	200-182	200-186	200-190
3	200-183	200-187	200-191
5	200-184	200-188	200-192
10	202-000	202-003	202-006
15	202-001	202-004	202-007
20	202-002	202-005	202-008

### Availability

Excel OM3 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](mailto:sales@excel-networking.com)

