

100% Optical Test

Test Certificate with each cable

Batch Number Tracking

### Features

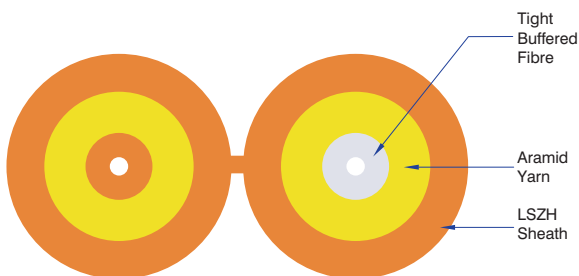
- Low smoke zero halogen cable
- Orange outer sheath
- 900 or 600µm 50/125µm duplex cable
- Broad range of connectivity options
- High quality connectors
- Each cable is individually bagged and labelled
- Receive and transmit legs clearly indicated
- Factory terminated under ISO9001 quality control procedures

### Product Overview

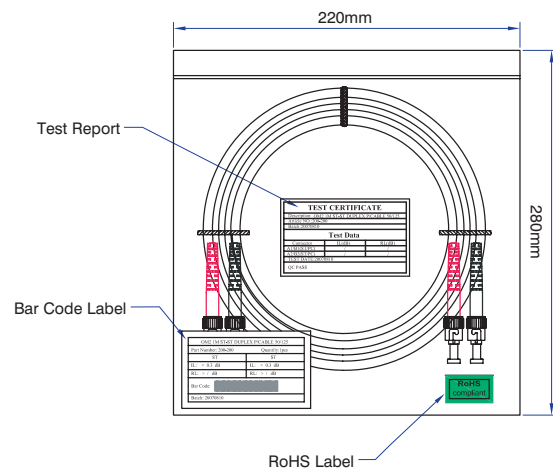
Excel duplex patch leads are manufactured from the highest quality 900 or 600µm optical fibre, terminated with ceramic ferrule connectors of various types. Cable preparation, termination and testing is carried out to strictly managed procedures in an Excel approved manufacturing facility. Applications 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

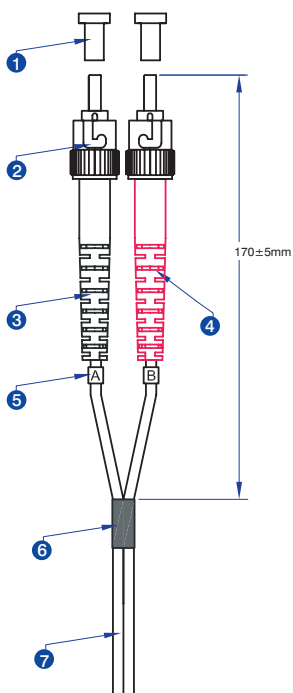


### Packaging



## Product Schematics

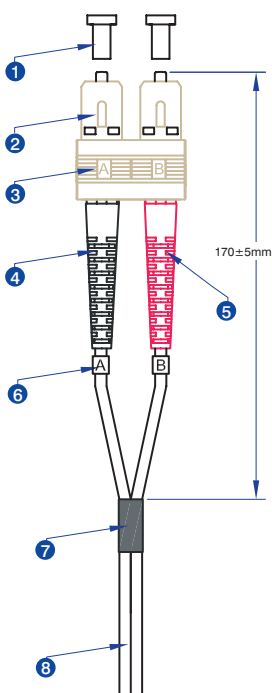
### ST



- 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 OM2 50/125 LSOH Orange cable\*

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

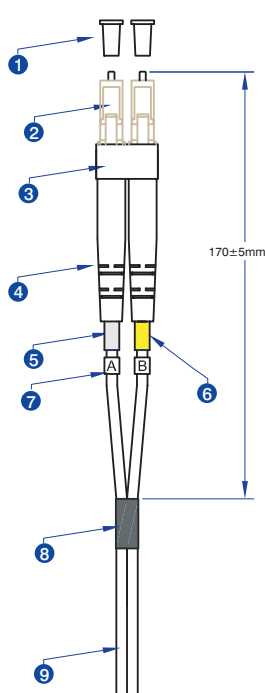
### SC



- 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 OM2 50/125 LSOH 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 OM2 50/125 LSOH 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	IEC60874-10-1997	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	≥ 500	≥ 500	≥ 500
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	2.0 x 4.1
Outer sheath colour	Orange	Orange	Orange
Outer sheath $\mu$ m	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	200-200	200-224	200-216
2	200-202	200-226	200-218
3	200-204	200-228	200-220
5	200-206	200-229	200-222
10	200-209	200-236	200-227
15	200-286	200-237	200-219
20	200-287	200-238	200-239



Length (Metre)	LC-LC Duplex	LC-SC Duplex	LC-ST Duplex
1	200-168	200-172	200-176
2	200-169	200-173	200-177
3	200-170	200-174	200-178
5	200-171	200-175	200-179
10	200-265	200-093	200-180
15	200-266	200-094	200-532
20	200-267	200-095	200-533

## Availability

Excel duplex OM2 patch leads are generally available from stock in lengths from 1 to 30 metres. For requirements which may vary from this, such as specific length, colour or labelling requirements, please contact your local Excel distributor.



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