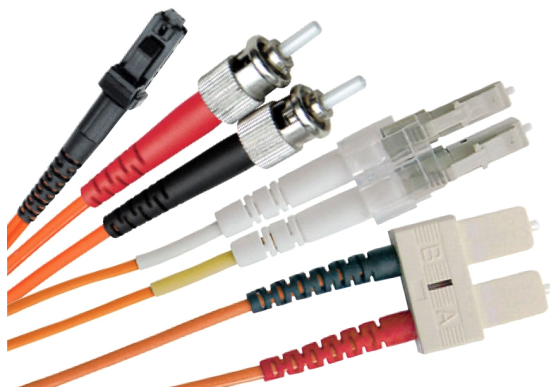




✕ 100% Optical Test

✕ Test Certificate with each cable

✕ Batch Number Tracking

Features

- 100% Optical Test
- Batch Number Tracking
- Orange outer sheath
- Broad range of connectivity options
- Receive and transmit legs clearly indicated
- Test Certificate with each cable
- Low smoke zero halogen cable
- 900 or 600µm 50/125µm duplex cable
- 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.

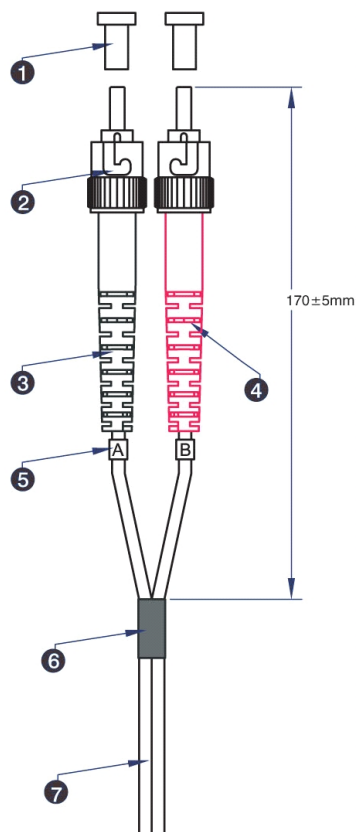
Each cable has strain relief boots to prolong and maintain performance levels of the assembly, transmit and receive 'legs' of each duplex cable are identified by means of ring type cable marker fixed to each end the assembly. A short distance from these identification rings heat shrink is applied to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

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	2.8 x 5.7
Outer sheath colour	Orange	Orange	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	13.2

Product Schematics

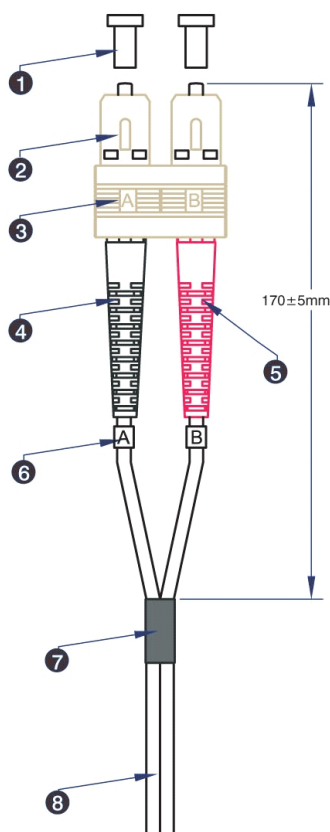
ST



- 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

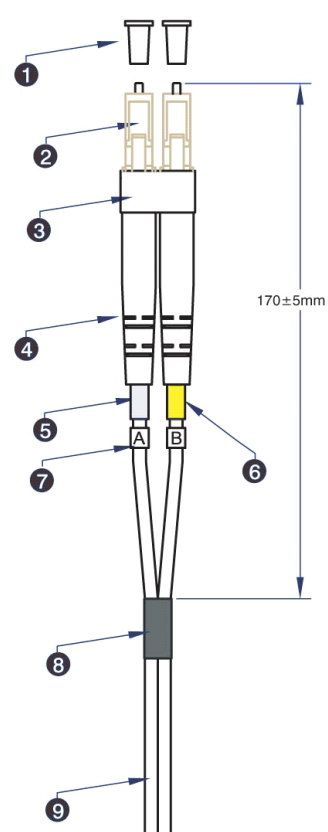
SC



- 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*

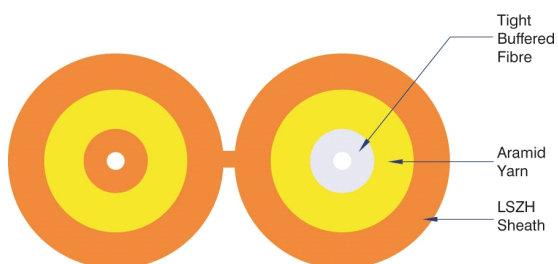
* 2.0 when used in hybrid cables with LC or MTRJ connectors

LC

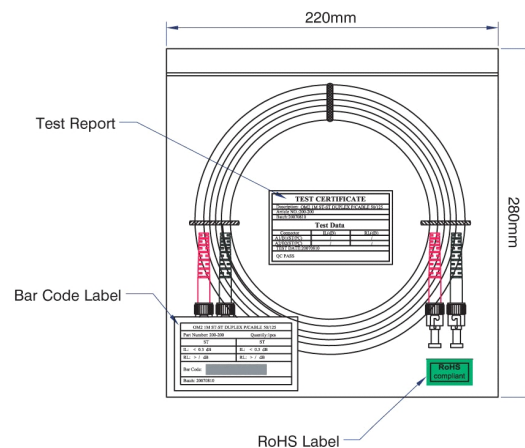


- ① LC Dust cover
- ② LC 2.0 multimode simplex Beige connector
- ③ LC Beige clip
- ④ LC 2.0 white boot
- ⑤ White heatshrink tubing
- ⑥ Yellow heatshrink tubing
- ⑦ Identification ring
- ⑧ Black heatshrink tubing
- ⑨ 2.0mm Duplex OM2 50/125 LSOH Orange cable

Cable Profile



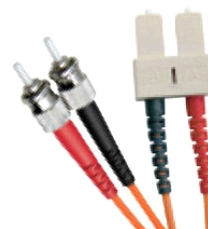
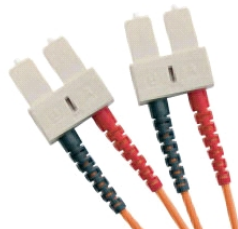
Packaging



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



Part Number Information

Length
(Metre)

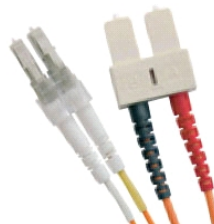
Length (Metre)	ST-ST Duplex
1	200-200
2	200-202
3	200-204
5	200-206
10	200-209
15	200-286
20	200-287

SC-SC
Duplex

200-224
200-226
200-228
200-229
200-236
200-237
200-238

ST-SC
Duplex

200-216
200-218
200-220
200-222
200-227
200-219
200-239



Part Number Information

Length
(Metre)

Length (Metre)	LC-LC Duplex
1	200-168
2	200-169
3	200-170
5	200-171
10	200-265
15	200-266
20	200-267

LC-SC
Duplex

200-172
200-173
200-174
200-175
200-093
200-094
200-095

LC-ST
Duplex

200-176
200-177
200-178
200-179
200-180
200-532
200-533

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.

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OPTICAL and COPPER WIRING

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