Excel Fibre Optic Duplex Patch Leads – Multimode OM3 50/125

excel
without compromise.

X FIBRE
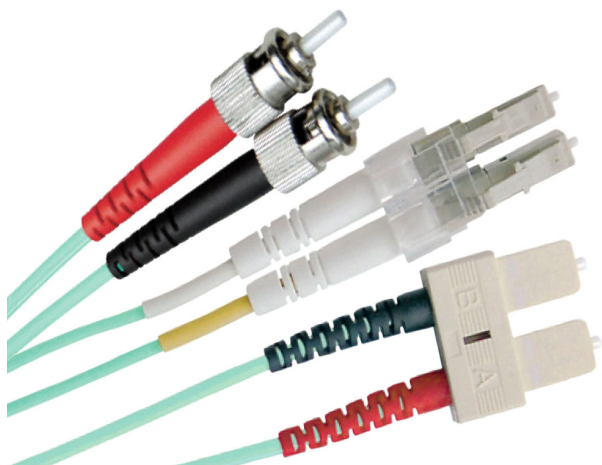
X **100% Optical Test**

X **Test Certificate with each cable**

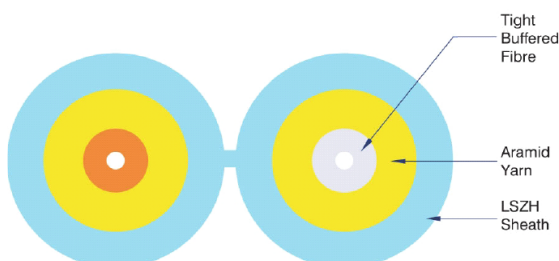X **Batch Number Tracking**

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 or 600µm 50/125µm duplex cable**
- **High quality connectors**
- **Receive and transmit legs clearly indicated**
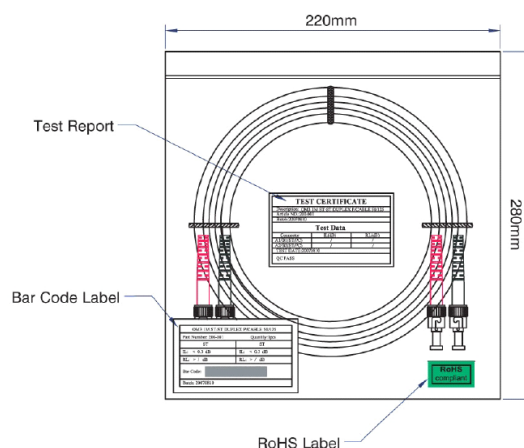
Product Overview

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.
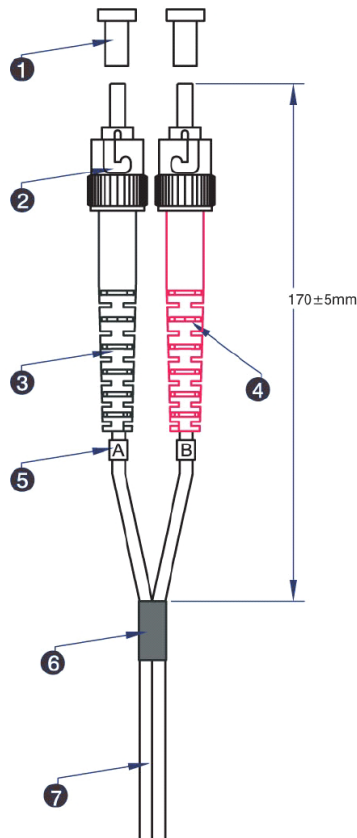
Cable Profile

- Tight Buffered Fibre
- Aramid Yarn
- LSZH Sheath

Packaging

- 220mm
- 280mm
- Test Report
- Bar Code Label
- RoHS Label

Product Schematics

ST

170±5mm

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 OM3 50/125 LSOH Aqua cable*

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

SC

170±5mm
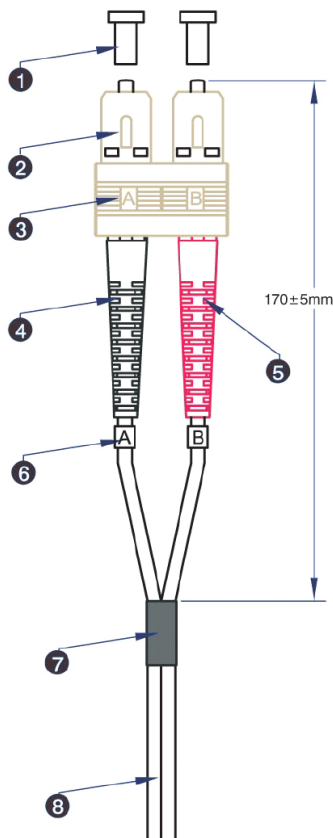
1 SC Dust cover

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 OM3 50/125 LSOH Aqua cable*

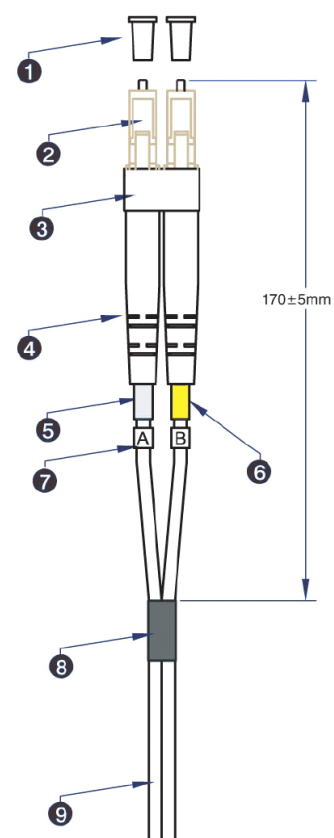* 2.0 when used in hybrid cables with LC or MTRJ connectors

LC

170±5mm

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 OM3 50/125 LSOH Aqua cable

Cable

Length (Metre)	ST-ST Duplex	ST-SC Duplex	ST-SC Duplex
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)	≥1500	≥1500	≥1500
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	Aqua	Aqua	Aqua
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

Performance Characteristics

Length (Metre)	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
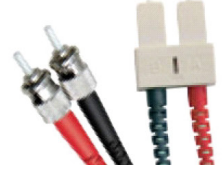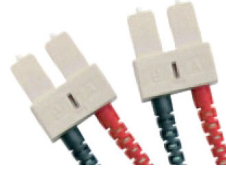
Part Number Information

Length (Metre)	ST-ST Duplex	SC-SC Duplex	ST-SC Duplex
1	200-001	200-005	200-013
2	200-002	200-006	200-014
3	200-003	200-007	200-015
5	200-004	200-008	200-016
10	-	200-009	200-017
15	-	200-011	200-018
20	-	200-012	200-019
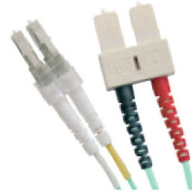
Part Number Information

Length (Metre)	LC-LC Duplex	LC-SC Duplex	LC-ST Duplex
1	200-043	200-054	200-062
2	200-044	200-055	200-063
3	200- 046	200-056	200-064
5	200-048	200-057	200-070
10	200-050	200-058	200-071
15	200-052	200-059	200-073
20	200-053	200-061	200-075

Availability

Excel duplex OM3 patch leads are generally available from stock in lengths from 1 to 20 metres – increasing inlength in intervals of one metre. For requirements which may vary from this, such as specific length, colour or labelling requirements, please contact your local Excel distributor.

RoHS Compliance

RoHS 2011/65/EU   -   Compliant

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

This document is subject to change without notice.
The current version is available from our website www.excel-networking.com

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