



✕ 100% Optical Test

✕ Test Certificate with each cable

✕ Batch Number Tracking

## Features

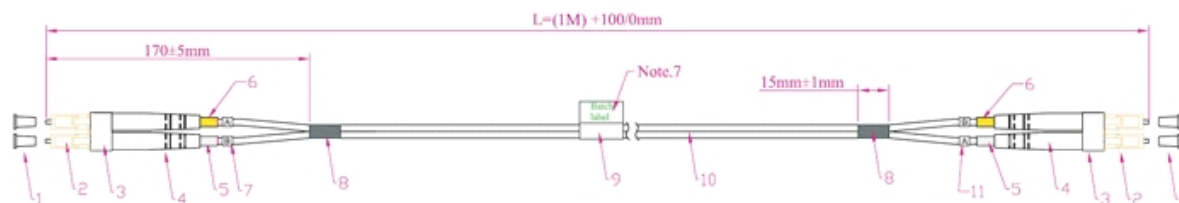
- 100% Optical Test
- Batch Number Tracking
- Aqua outer sheath
- Broad range of connectivity options
- Each cable is individually bagged and labelled
- Factory terminated under ISO9001 quality control procedures
- Test Certificate with each cable
- Low smoke zero halogen cable
- 900  $\mu\text{m}$  50/125 $\mu\text{m}$  duplex cable
- High quality connectors
- Receive and transmit legs clearly indicated

## Product Overview

Excel duplex patch leads are manufactured from the highest quality 900  $\mu\text{m}$  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	SC Assembly	LC Assembly
Attenuation (Max dB @850nm)	≤ 2.3	≤ 2.3
Attenuation (Max dB @1300nm)	≤ 0.6	≤ 0.6
EM Bandwidth (Min MHz.km @850nm)	≥4700	≥4700
Bandwidth (Min MHz.km @1300nm)	≥500	≥500
No of Fibres	2	2
Outer Diameter WxH in mm	2.8 x 5.7	2.0 x 4.1
Max Tension - Short term	300 N	300 N
Max Tension - Short term	160 N	160 N
Min Bend Radius - During install	20 x H	20 x H
Min Bend Radius - After install	10 x H	10 x H
Outer sheath colour	Aqua	Aqua
Outer sheath µm	900	900
Outer sheath Material	IEC332-1 LSOH	IEC332-1 LSOH
Temperature range °C	-20 to + 70	-20 to + 70
RoHS Compliant	Yes	Yes
Weight kg/km	13.2	13.2

## Performance Characteristics

### Connector

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

## Part Number Information

Part No.	Description
204-300	OM4 LC-LC Duplex Patch Lead 50/125 - 1m - Aqua
204-301	OM4 LC-LC Duplex Patch Lead 50/125 - 2m - Aqua
204-302	OM4 LC-LC Duplex Patch Lead 50/125 - 3m - Aqua
204-303	OM4 LC-LC Duplex Patch Lead 50/125 - 5m - Aqua
204-304	OM4 LC-SC Duplex Patch Lead 50/125 - 1m - Aqua
204-305	OM4 LC-SC Duplex Patch Lead 50/125 - 2m - Aqua
204-306	OM4 LC-SC Duplex Patch Lead 50/125 - 3m - Aqua
204-307	OM4 LC-SC Duplex Patch Lead 50/125 - 5m - Aqua
204-308	OM4 SC-SC Duplex Patch Lead 50/125 - 1m - Aqua
204-309	OM4 SC-SC Duplex Patch Lead 50/125 - 2m - Aqua
204-310	OM4 SC-SC Duplex Patch Lead 50/125 - 3m - Aqua
204-311	OM4 SC-SC Duplex Patch Lead 50/125 - 5m - Aqua

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)

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without compromise.

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