



X G.652.D Compliant

X 100% Optical Test

X Test Certificate with each cable

X Batch Number Tracking

Features

- G.652.D Compliant
- Test Certificate with each cable
- Low smoke zero halogen cable
- 900 or 600µm 9/125µm duplex cable
- High quality connectors
- Receive and transmit legs clearly indicated
- Delivers OS1 and OS2 Performance
- 100% Optical Test
- Batch Number Tracking
- Yellow 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 G.652.D optical fibre, terminated with ceramic ferrule connectors of various types. The singlemode are compatible with OS1 & OS2 optical fibre channels. 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.

Performance Characteristics

Connector

Measure	ST Connector	SC Connector	LC Connector	FC Connector
Insertion Loss dB @1310nm	< 0.3	< 0.3	< 0.3	< 0.3
Return Loss dB @1310nm	< 50	< 50	< 50	< 50
Ferrule	2.5mm ceramic	2.5mm ceramic	1.25mm ceramic	2.5mm ceramic
Housing	Nickel Brass	Composite	Composite	Nickel Brass
Connector Design	EC60874-10-1997	IEC61754-4	IEC61754-20	IEC61754-13-2006

Cable

Measure	ST Assembly	SC Assembly	LC Assembly	FC Assembly
Attenuation Max dB 1310nm	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4
Attenuation Max dB @1550nm	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3
Dispersion Coefficient ps.nm-1.km-1 @1310nm	<3.0	<3.0	<3.0	<3.0
Dispersion Coefficient ps.nm-1.km-1 @1550nm	<18.0	<18.0	<18.0	<18.0
No of Fibres	2	2	2	2
Outer Diameter WxH in mm	2.8 x 5.7	2.8 x 5.7	2.8 x 5.7	2.8 x 5.7
Outer sheath colour	Yellow	Yellow	Yellow	Yellow
Outer sheath µm	900	900	900	900
Outer sheath Material	IEC332-1 LSOH	IEC332-1 LSOH	IEC332-1 LSOH	IEC332-1 LSOH
Temperature range °C	-20 to + 70	-20 to + 70	-20 to + 70	-20 to + 70
RoHS Compliant	Yes	Yes	Yes	Yes
Weight kg/km	13.2	13.2	13.2	13.2



Length (Metre)	ST/UPC-ST/UPC Duplex	SC/UPC-SC/UPC Duplex	ST/UPC-SC/UPC Duplex
1	200-251	200-261	200-255
2	200-252	200-262	200-256
3	200-253	200-263	200-257
5	200-254	200-264	200-259
10	200-107	200-102	200-268
15	200-108	200-103	200-105
20	200-109	200-104	200-106



Length (Metre)	LC/UPC-LC/UPC Duplex	LC/UPC-SC/UPC Duplex	LC/UPC-ST/UPC Duplex	FC/UPC-FC/UPC Duplex	FC/UPC-ST/UPC Duplex
1	200-678	200-686	200-694	200-501	200-517
2	200-680	200-688	200-696	200-502	200-511
3	200-682	200-690	200-698	200-503	200-512
5	200-684	200-692	200-699	200-504	200-513
10	200-201	200-098	200-099	200-505	200-514
15	200-203	200-097	200-100	-	200-515
20	200-205	200-096	200-101	-	200-516



Length (Metre)	FC/UPC-SC/UPC	SC/APC-SC/APC	SC/APC-SC/UPC	SC/APC-LC/UPC
1	200-534	201-001	201-021	201-041
2	200-535	201-002	201-022	201-042
3	200-536	201-003	201-023	201-043
5	200-537	201-005	201-025	201-045
10	200-538	201-010	201-030	201-050

Availability

Excel OS2 pigtailed cables 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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