

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
- Semi tight buffered 'easy strip' fibre
- Broad range of connectivity options
- Factory terminated under ISO9001 quality control procedures
- Delivers OS1 and OS2 Performance
- 100% Optical Test
- Batch Number Tracking
- White 900 micron 9/125 cable
- Choice of length
- RoHS Compliant
- Each cable is individually bagged and labelled

**Product Overview**

Excel fibre optic pigtails are manufactured from the highest quality 900 micron optical fibre, terminated with ceramic ferrule connectors of various types. To assist in fast cable preparation and splicing semi tight buffered, easy strip, cable is used as standard. Cable preparation, termination and testing is carried out to strictly managed procedures in an Excel approved, ISO9001 registered manufacturing facility. Each pigtail has a strain relief boot to prolong and maintain performance levels of the assembly. A short distance from the connector a label containing a unique batch number is fixed to cable for quality and traceability purposes.

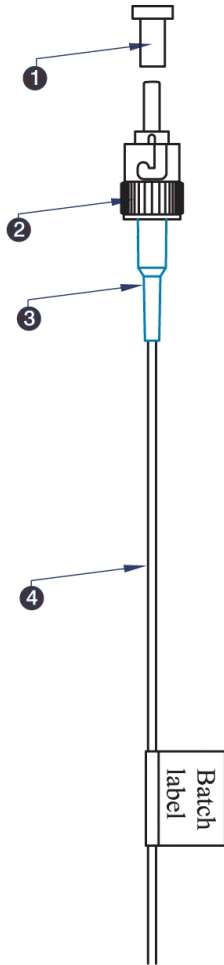
**Performance Characteristics**

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
End surface test	OP-03-05001	OP-03-05001	OP-03-05001	OP-03-05001

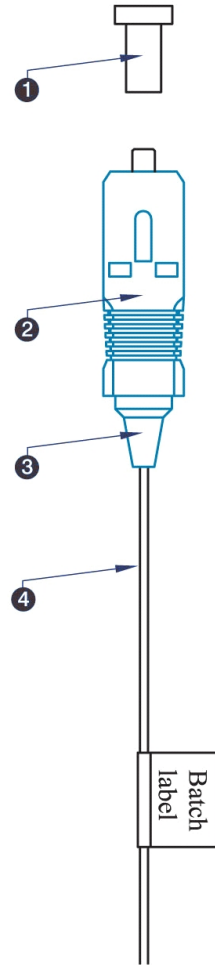
# Product Schematics

ST



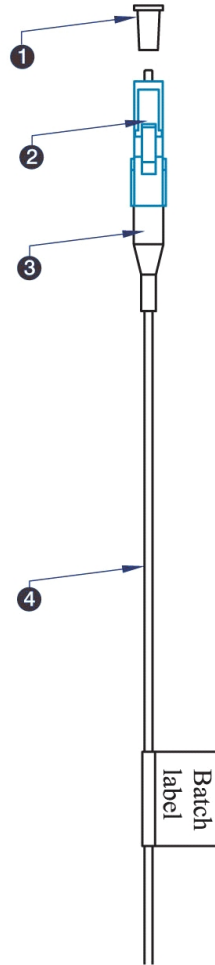
- ① ST Dust cover
- ② ST 0.9 singlemode connector
- ③ ST 0.9 Blue strain relief boot
- ④ 0.9mm Easy Strip OS1 9/125 LSOH White cable

SC



- ① SC Dust cover
- ② SC 0.9 singlemode Blue connector
- ③ SC 0.9 Blue strain relief boot
- ④ 0.9mm Easy Strip OS1 9/125 LSOH White cable

LC



- ① LC Dust cover
- ② LC 0.9 singlemode Blue connector
- ③ LC 0.9 White strain relief boot
- ④ 0.9mm Easy Strip OS1 9/125 LSOH White cable

FC



- ① FC Dust cover
- ② FC 0.9 singlemode connector
- ③ FC 0.9 Blue strain relief boot
- ④ 0.9mm Easy Strip OS1 9/125 LSOH White cable

## 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	1	1	1	1
Outer Diameter mm	0.9	0.9	0.9	0.9
Outer sheath colour	White	White	White	White
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	0.9	0.9	0.9	0.9
Min Bend Radius mm				
During installation	5.0	5.0	5.0	5.0
After installation	3.0	3.0	3.0	3.0

## Part Number Information

Part No.	Description
200-576	Pigtail 9/125 OS2 ST (Male) - 2m
200-554	Pigtail 9/125 OS2 SC - 2m
200-562	Pigtail 9/125 OS2 SC/APC - 2m
200-561	Pigtail 9/125 OS2 LC - 2m
200-563	Pigtail 9/125 OS2 FC - 2m

## Availability

Excel OS2 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.

---

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)