

100% Optical Test

Test Certificate with each cable

Batch Number Tracking

### Features

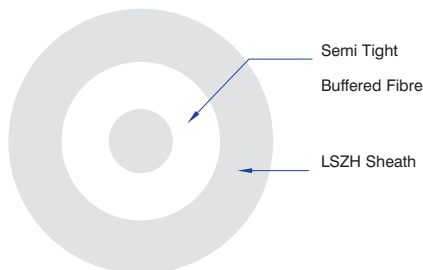
- Semi tight buffered 'easy strip' fibre
- White 900 micron 50/125 cable
- Broad range of connectivity options
- Choice of length
- Factory terminated under ISO9001 quality control procedures
- RoHS Compliant
- Each cable is individually bagged and labelled

### Product Overview

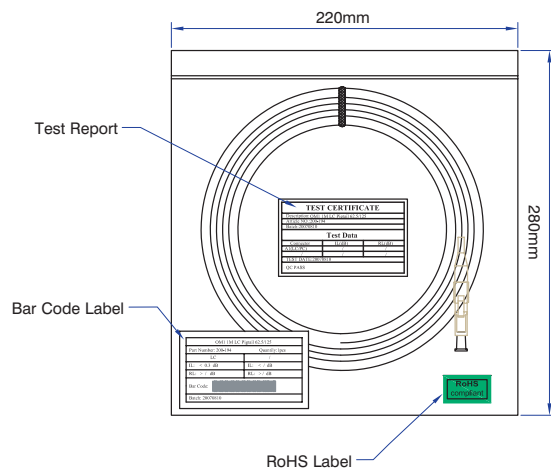
Excel fibre optic pigtails are manufactured from the highest quality 900 micron optical fibre, terminated with ceramic ferrule connectors of various types. To assist in fast cable preparation and splicing semi tight buffered, easy strip, cable is used as standard. Cable preparation, termination and testing 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.

### Cable Profile

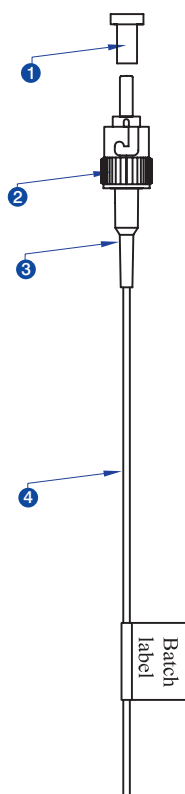


### Packaging



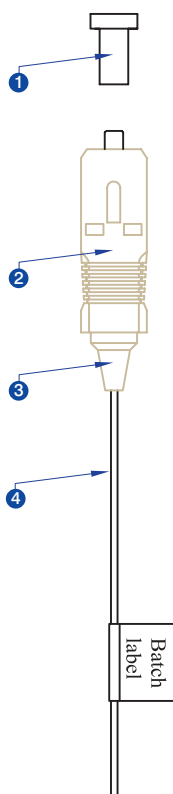
## Product Schematics

ST



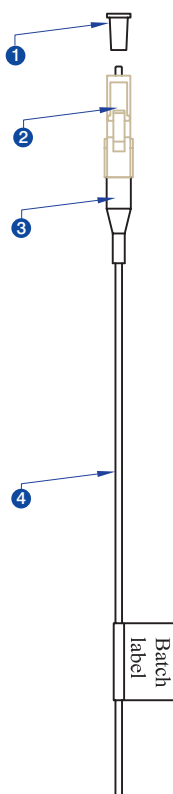
- 1 ST Dust cover
- 2 ST 0.9 multimode connector
- 3 ST 0.9 Black strain relief boot
- 4 0.9mm Easy Strip OM3 50/125 LSOH White cable

SC



- 1 SC Dust cover
- 2 SC 0.9 multimode Beige connector
- 3 SC 0.9 Beige strain relief boot
- 4 0.9mm Easy Strip OM3 50/125 LSOH White cable

LC



- 1 LC Dust cover
- 2 LC 0.9 multimode Beige connector
- 3 LC 0.9 White strain relief boot
- 4 0.9mm Easy Strip OM3 50/125 LSOH White cable

## 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	IEC60874-10-1997	IEC61754-4	IEC61754-20
End surface test	OP-03-05001	OP-03-05001	OP-03-05001

## Cable

Measure	ST Assembly	SC Assembly	LC Assembly
Attenuation Max dB @850nm	≤ 3.5	≤ 3.5	≤ 3.5
Attenuation Max dB @1300nm	≤ 1.0	≤ 1.0	≤ 1.0
Bandwidth Min MHz.km @850nm	≥1500	≥1500	≥1500
Bandwidth Min MHz.km @1300nm	≥500	≥500	≥500
No of Fibres	1	1	1
Outer Diameter mm	0.9	0.9	0.9
Outer sheath colour	White	White	White
Outer sheath $\mu$ m	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	0.9	0.9	0.9
Min Bend Radius mm			
During installation	5.0	5.0	5.0
After installation	3.0	3.0	3.0

## Part Number Information

Part No.	Description
200-077	Excel OM3 Pigtail ST 1m
200-577	Excel OM3 Pigtail ST 2m
200-078	Excel OM3 Pigtail SC 1m
200-555	Excel OM3 Pigtail SC 2m
200-083	Excel OM3 Pigtail LC 1m
200-560	Excel OM3 Pigtail LC 2m

## 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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