X FIBRE

X 100% Optical Test

X Test Certificate with each cable

X Batch Number Tracking

Features

- 100% Optical Test
- Batch Number Tracking
- White 900 micron 50/125 cable
- Choice of length
- Each cable is individually bagged and labelled
- Test Certificate with each cable
- Semi tight buffered 'easy strip' fibre
- Broad range of connectivity options
- RoHS Compliant
- Factory terminated under ISO9001 quality control procedures

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 @850nm	< 0.3	< 0.3	< 0.3	< 0.3
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

SC

LC

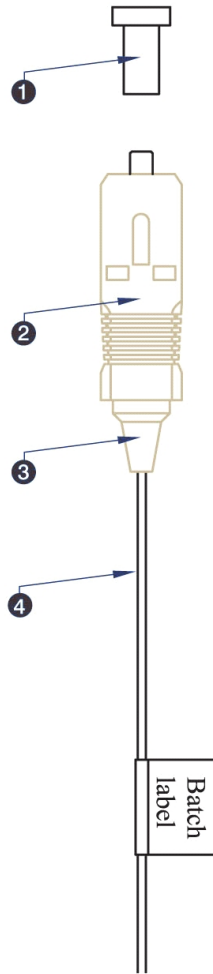## FC

Batch label (ST)

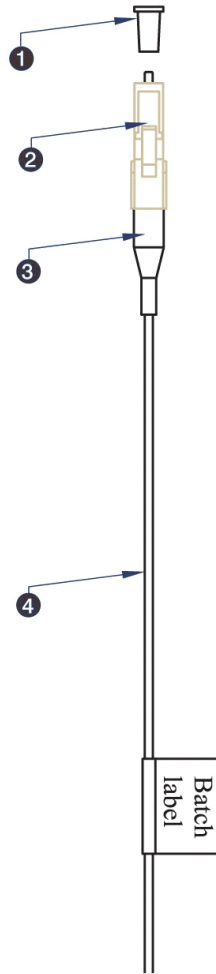Batch label (SC)

Batch label (LC)

Batch label (FC)

ST
1. ST Dust cover
2. ST 0.9 multimode connector
3. ST 0.9 Black strain relief boot
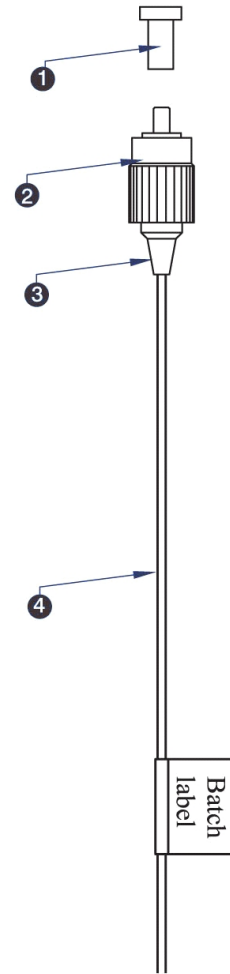4. 0.9mm Easy Strip OM2 50/125 LSOH White cable

SC
1. SC Dust cover
2. SC 0.9 multimode Beige connector
3. SC 0.9 Beige strain relief boot
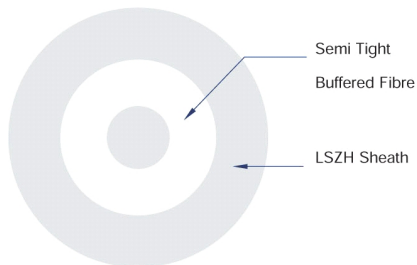4. 0.9mm Easy Strip OM2 50/125 LSOH White cable

LC
1. LC Dust cover
2. LC 0.9 multimode Beige connector
3. LC 0.9 White strain relief boot
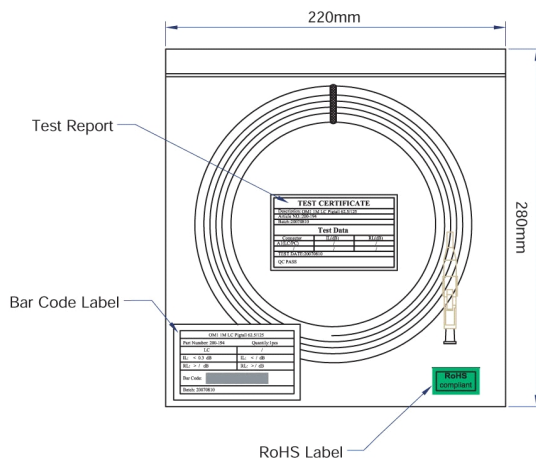4. 0.9mm Easy Strip OM2 50/125 LSOH White cable

FC
1. FC Dust cover
2. FC 0.9 multimode connector
3. FC 0.9 Black strain relief boot
4. 0.9mm Easy Strip OM2 50/125 LSOH White cable

Cable Profile

Semi Tight Buffered Fibre

LSZH Sheath

Packaging

220mm

280mm

Test Report

Bar Code Label

RoHS Label

TEST CERTIFICATE

Test Data

QC PASS

RoHS Compliant

Cable

Measure	ST Assembly	SC Assembly	LC Assembly	FC Assembly
Attenuation Max dB @850nm	≤ 3.5	≤ 3.5	≤ 3.5	≤ 3.5
Attenuation Max dB @1300nm	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Bandwidth Min MHz.km @850nm	≥500	≥500	≥500	≥500
Bandwidth Min MHz.km @1300nm	≥500	≥500	≥500	≥500
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
200-557	Pigtail 50/125 OM2 ST 2m
200-553	Pigtail 50/125 OM2 SC 2m
200-559	Pigtail 50/125 OM2 LC 2m
200-544	Pigtail 50/125 OM2 FC 1m

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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