

# Enbeam Fibre Pigtail OS2 9/125 SC/UPC Yellow - 2m

Item Code: 200-554



✕ G.657.A2 Compliant

✕ Choice of lengths

✕ Choice of connectors

✕ Each cable is individually bagged and labelled

✕ Test Certificate with each cable

✕ RoHS Compliant

## Product Overview

Excel singlemode 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.

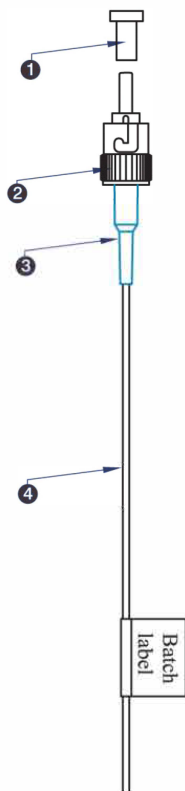
Each pigtail has a strain relief boot to prolong and maintain performance levels of the assembly. A short distance from the connector a label containing a unique batch number is fixed to cable for quality and traceability purposes.

## Product Specifications

Feature	Values
Fibre type	Single mode
Category	OS2
Core type	Loose tube
Length	2 m
Type of connector	SC
Colour	Yellow
Strain relief boot	Push-on

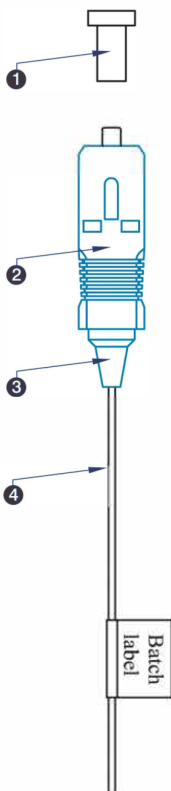
## Product schematics

ST



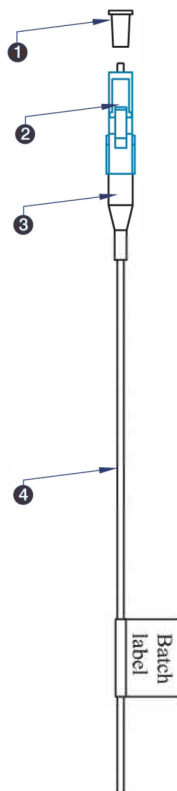
- ① ST Dust cover
- ② ST 0.9 singlemode connector
- ③ ST 0.9 Blue strain relief boot
- ④ 0.9mm Easy Strip OS1 9/125 LSOH Yellow cable

SC



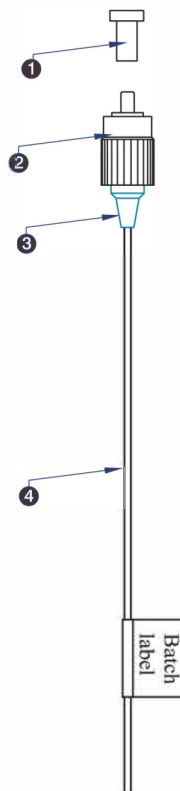
- ① SC Dust cover
- ② SC 0.9 singlemode Blue connector
- ③ SC 0.9 Blue strain relief boot
- ④ 0.9mm Easy Strip OS1 9/125 LSOH Yellow cable

LC



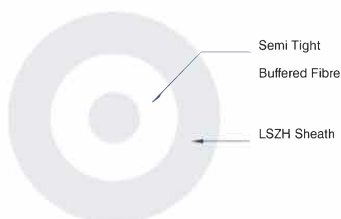
- ① LC Dust cover
- ② LC 0.9 singlemode Blue connector
- ③ LC 0.9 White strain relief boot
- ④ 0.9mm Easy Strip OS1 9/125 LSOH Yellow cable

FC

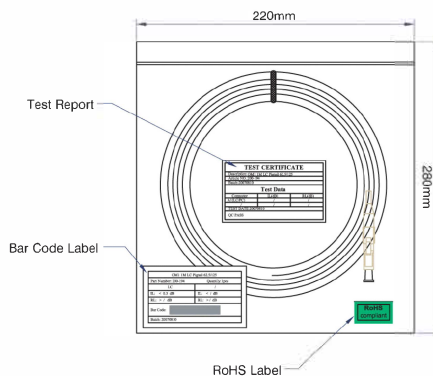


- ① FC Dust cover
- ② FC 0.9 singlemode connector
- ③ FC 0.9 Blue strain relief boot
- ④ 0.9mm Easy Strip OS1 9/125 LSOH Yellow cable

## Cable Profile



## Packaging



**Fibre specifications**

Features	Values	ST Assemblies	SC Assemblies	LC Assemblies
Construction	Semi-Tight Buffered			
No. of Fibres	1			
Diameter	900 micron			
Temperature range	-20C to +70C			
Connector Material		Nickel plated Brass	Composite	Composite
Minimum bend radius	10 x cable diameter			
Connector Ferrule		2.5mm Ceramic	2.5mm Ceramic	1.25mm Ceramic
Connector Insertion Loss	Max. 0.3dB			
Connector Return Loss (Multimode)	Max. -30dB			
Ferrule End Face (Singlemode UPC)	Max. -50dB			
Ferrule End Face (Singlemode APC)	Max. -60dB			

**Fibre specifications**

Features	Values
Cladding diameter	125.0 +/- 0.7um
Primary Coating diameter	242 +/- 7um
Fibre Type	Bend Insensitive
Mode Field diameter at 1310nm	9.2 +/- 0.4um
Mode Field diameter at 1550nm	10.1 +/- 0.5um
Max. attenuation at 1310nm	0.40 dB/km
Max attenuation at 1550nm	0.25 dB/km
PMD	0.2 ps/km
Cut-off wavelength	1260nm
Chromatic Dispersion coefficient at 1285-1330nm	3 ps/km.nm
Chromatic Dispersion coefficient at 1550nm	18 ps/km.nm

Chromatic Dispersion coefficient at 1625nm	22 ps/km.nm
Zero dispersion wavelength	1300-1322 nm
Refractive Index at 1310nm	1.467
Refractive Index at 1550nm	1.468
Construction	ITU G.652.D

## Standards

Applicable standard	Detail
IEC 60793-1-1:2017	Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance
IEC 60793-2:2015	Optical fibres - Part 2: Product specifications - General
IEC 60793-2-10:2017	Sectional specification for A1 multimode fibres
IEC 60793-1-20:2014	Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry
IEC 60793-1-21:2001	Optical fibres - Part 1-21: Measurement methods and test procedures - Coating geometry
IEC 60793-1-22:2001	Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement
IEC 60793-1-30:2010	Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test
IEC 60793-1-31:2010	Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile Strength
ITU-T G.652:2016	Characteristics of a single-mode optical fibre and cable
ITU-T G.657:2016	Characteristics of a bending-loss insensitive single-mode optical fibre and cable
EN 50173-1:2011	Information technology. Generic cabling systems - General requirements
EN 50173-2:2007 + A1:2010	Information technology. Generic cabling systems - Office premises
IEC 61754-1:2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance
IEC 61754-2:1996	Fibre optic connector interfaces - Part 2: Type BFOC/2,5 connector family
IEC 61754-4:2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4: Type SC connector family

# Enbeam Fibre Pigtail OS2 9/125 SC/UPC Yellow - 2m

Item Code: 200-554



IEC 61754-4-100:2015

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4-100: Type SC connector family - Simplified receptacle SC-PC connector interfaces

RoHS

Restriction of Hazardous Substances - Compliant

## Part Number Table

Part Number	Description
200-454	Enbeam Fibre Pigtail OS2 9/125 SC/UPC 12-colour pack (TIA 598) - 2m
200-455	Enbeam Fibre Pigtail OS2 9/125 LC/UPC 12-colour pack (TIA 598) - 2m
200-456	Enbeam Fibre Pigtail OS2 9/125 SC/APC 12-colour pack (TIA 598) - 2m
200-457	Enbeam Fibre Pigtail OS2 9/125 LC/APC 12-colour pack (TIA 598) - 2m
200-548	Enbeam Fibre Pigtail OS2 9/125 LC/UPC 12-colour pack (TIA 598) - 1m
200-554	Enbeam Fibre Pigtail OS2 9/125 SC/UPC Yellow - 2m
200-561	Enbeam Fibre Pigtail OS2 9/125 LC/UPC Yellow - 2m
200-565	Enbeam Fibre Pigtail OS2 9/125 LC/UPC 12-colour pack (TIA 598) - 0.5m
200-576	Enbeam Fibre Pigtail OS2 9/125 ST/UPC Yellow - 2m
200-602	Enbeam Fibre Pigtail OS2 9/125 LC/UPC 12-colour pack (TIA 598) - 2m
200-723-12	Enbeam Fibre Pigtail OS2 9/125 SC/UPC 12-colour pack (TIA 598) - 1m

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)



E&OE. Excel is a registered trade name of Mayflex Holdings Ltd.