Item Code: 200-975









- X Choice of lengths (1-10 metres)
- X Choice of connectors (SC, SC APC, LC)
- X G.657.A2 Bend Insensitive Fibre
- $\times$  2.0 mm cable
- X Blue outer sheath
- X 25 Year system warranty

#### **Product Overview**

The Enbeam range of patch cords are constructed from high quality connectors and G.657.A2 bend insensitive  $9/125 \mu m$  OS2 grade cable. Each cable has a short strain relief boot and is supplied with a test report detailing insertion loss.

All of the patch cords come with a blue outer sheath and are individually packaged and labelled.

#### **Product Specifications**

Feature	Values
Fibre type	Single mode
Category	OS2
Number of Cores	1
Outer diameter sheath single fibre	2 mm
Cable type	Simplex
Length	3 m
Type of connector connection 1	LC
Type of connector connection 2	SC
Outer sheath colour	Blue
Strain relief boot	Push-on
Flame retardant according to IEC 60332-1-2	yes

Item Code: 200-975

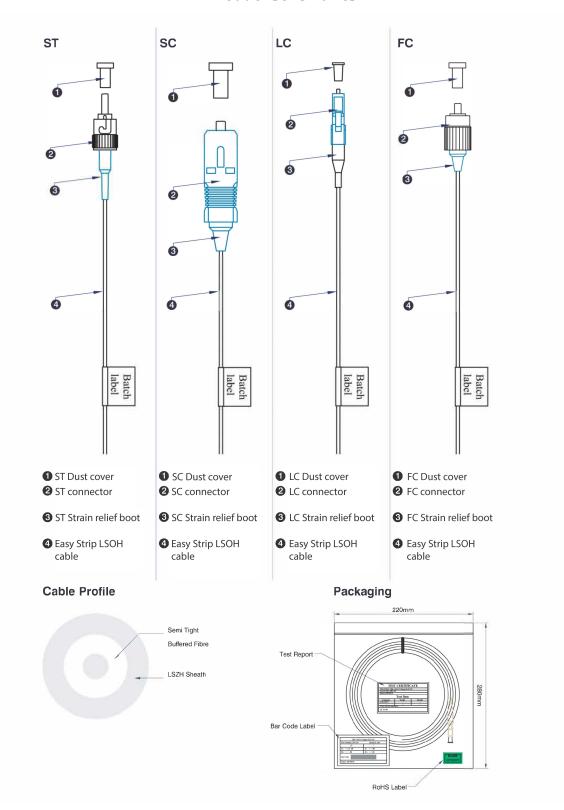


Low smoke (acc. IEC 61034-2) yes

Item Code: 200-975



#### **Product schematics**



Item Code: 200-975



### **Cable 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		2.5 mm Zirconium ceramic	2.5 mm Zirconium ceramic	1.25 mm Zirconium ceramic
Connector Insertion Loss	Max. 0.3 dB			
Connector Return Loss (Multimode)	Max30 dB			
Ferrule End Face (Singlemode UPC)	Max50 dB			
Ferrule End Face (Singlemode APC)	Max60 dB			

### **Standards**

Applicable standard	Detail
BS EN 60332-1-2:2004+A11:2016	Tests on electric and optical fibre cables under fire conditions - Test for vertical flame propagation for a single insulated wire or cable. Procedure for 1 kW pre-mixed flame
IEC 60793-1-1:2022	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

Item Code: 200-975



	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 50173-1:2018	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
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-II/-III (2011/65/EU & 2015/863): 2023	Our products, demonstrate full adherence to the regulatory stipulations of the EU Directive 2011/65/EU (RoHS-II) and its corresponding delegated directive 2015/863 (RoHS-III).
ANSI/TIA 568-3.D	Optical Fiber Cabling and Components Standard
ISO/IEC 11801-1:2017	Information technology - Generic cabling for customer premises: Part 1 General Requirements
WFD: 2023	Compliant to Waste Framework Directive
SCIP: 2023	Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)
POPs (EU) No 2019/1021	EU Regulation for the restriction of Persistent Organic Pollutants.

Item Code: 200-975



### **Part Number Table**

Part Number	Description
200-968	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 SC-SC Singlemode 9/125 SX LS0H Blue 1 m
200-969	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 SC-SC Singlemode 9/125 SX LS0H Blue 2 m
200-970	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 SC-SC Singlemode 9/125 SX LS0H Blue 3 m
200-971	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 SC-SC Singlemode 9/125 SX LS0H Blue 5 m
200-972	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 SC-SC Singlemode 9/125 SX LS0H Blue 10 m
200-973	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 LC-SC Singlemode 9/125 SX LS0H Blue 1 m $$
200-974	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 LC-SC Singlemode 9/125 SX LS0H Blue 2 m
200-975	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 LC-SC Singlemode 9/125 SX LS0H Blue 3 m
200-976	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 LC-SC Singlemode 9/125 SX LS0H Blue 5 m
200-977	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 LC-SC Singlemode 9/125 SX LS0H Blue 10 m
200-978	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 SC-SC/APC SM 9/125 SX LS0H Blue 1 $\mathrm{m}$
200-979	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 SC-SC/APC SM 9/125 SX LS0H Blue 2 m
200-980	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 SC-SC/APC SM 9/125 SX LS0H Blue 3 m
200-981	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 SC-SC/APC SM 9/125 SX LS0H Blue 5 m
200-982	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 SC-SC/APC SM 9/125 SX LS0H Blue 10 m

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

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