

Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 SC-SC Singlemode 9/125 SX LS0H Blue 1 m

excel
without compromise.

Part Code: 200-968

sales@excel-networking.com
excel-networking.com



Main Features

- / Choice of lengths (1-10 metres)
- / G.657.A2 Bend Insensitive Fibre
- / Blue outer sheath
- / Choice of connectors (SC, SC APC, LC)
- / 2.0 mm cable
- / 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 μm 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

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| Feature | Values |
|--|-------------|
| Fibre type | Single mode |
| Category | OS2 |
| Number of Cores | 1 |
| Outer diameter sheath single fibre | 2 mm |
| Cable type | Simplex |
| Length | 1 m |
| Type of connector connection 1 | SC |
| Type of connector connection 2 | SC |
| Outer sheath colour | Blue |
| Strain relief boot | Push-on |
| Flame retardant according to IEC 60332-1-2 | yes |
| Low smoke (acc. IEC 61034-2) | yes |

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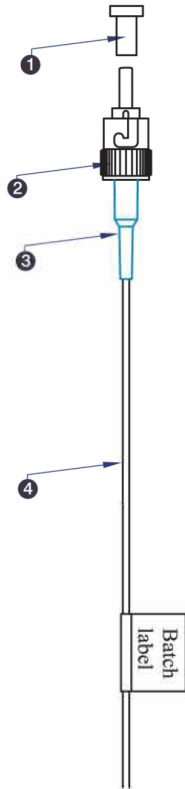
Product schematics

Excel Enbeam OS2 Fibre Optic Patch Lead G.657.A2 SC-SC Singlemode 9/125 SX LSOH Blue 1 m

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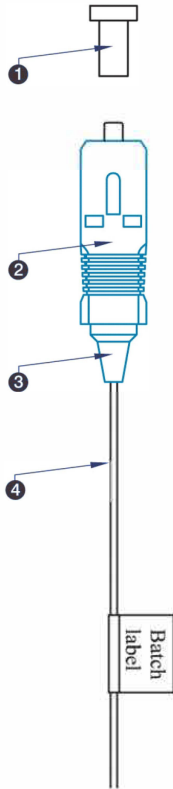
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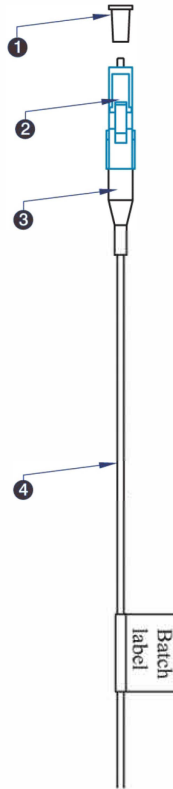
- ① ST Dust cover
- ② ST connector
- ③ ST Strain relief boot
- ④ Easy Strip LSOH cable

SC



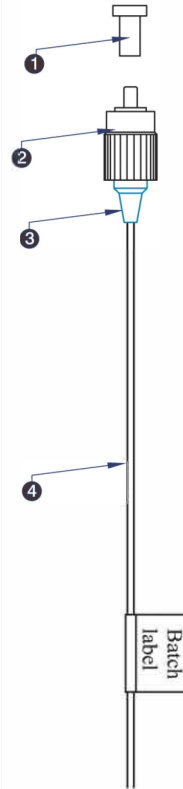
- ① SC Dust cover
- ② SC connector
- ③ SC Strain relief boot
- ④ Easy Strip LSOH cable

LC



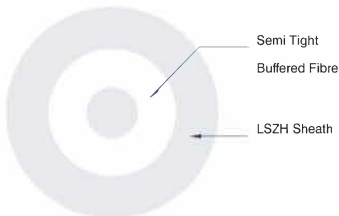
- ① LC Dust cover
- ② LC connector
- ③ LC Strain relief boot
- ④ Easy Strip LSOH cable

FC

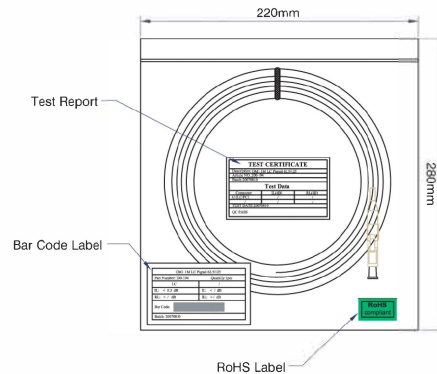


- ① FC Dust cover
- ② FC connector
- ③ FC Strain relief boot
- ④ Easy Strip LSOH cable

Cable Profile



Packaging



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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) | Max. -30 dB | | | |
| Ferrule End Face (Singlemode UPC) | Max. -50 dB | | | |
| Ferrule End Face (Singlemode APC) | Max. -60 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 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 |

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| | |
|------------------------------------|--|
| 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 |
| Directive 2011/65/EU (RoHS II) | Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states). |
| Directive (EU) 2015/863 (RoHS III) | Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant. |
| 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 |
| Directive 2008/98/EC (WFD) | Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988). |
| ECHA SCIP Database | Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH. |
| Regulation (EU) 2019/1021 (POPs) | EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355). |
| UK SI 2012 No. 3032 | The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019. |

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Part Code Table

| Part Code | 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 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 |

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200-982

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