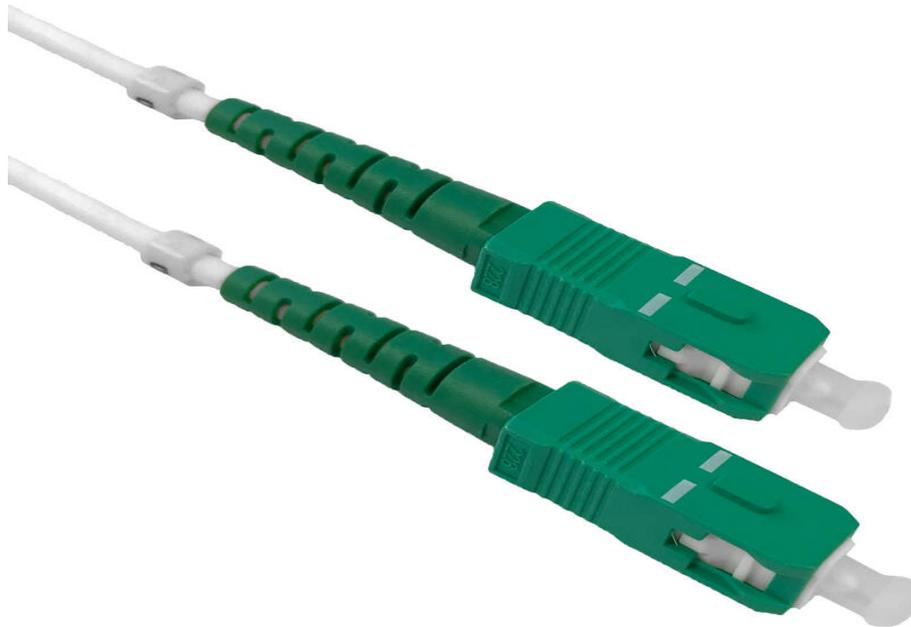


Excel Enbeam OS2 Fibre Optic Patch Lead G.657.B3 SC/APC-SC/APC SM 9/125 SX LSOH White 1 m

Part Code: 201-220

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CIBSE TM65 Embodied Carbon: 0.097 kg CO2e



Main Features

- / Internal application
- / Multiple sizes available
- / G657.B3 Bend insensitive
- / LSOH sheath
- / Crush and Impact resistant
- / RoHS compliant

Product Overview

Enbeam white SC/APC patch leads have been designed for us in the FTTH market as a subscriber connection. The 2.8 mm lead offers a high bend radius and high crush resistance to withstand the home environment whilst offering a neutral colour within the premises.

Product Specifications

| Feature | Values |
|---------|--------|
|---------|--------|

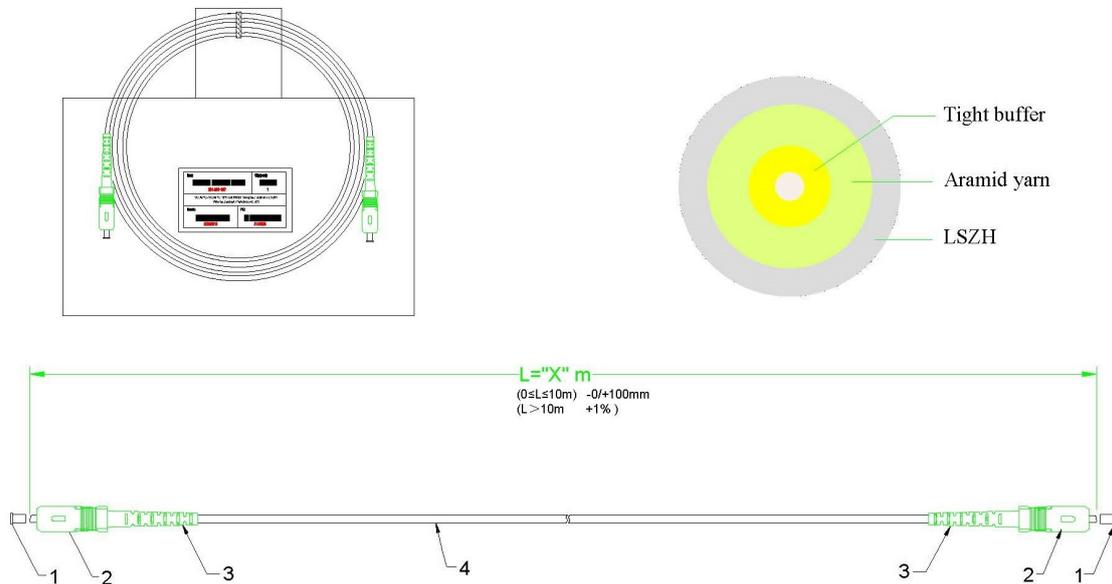
Excel Enbeam OS2 Fibre Optic Patch Lead G.657.B3 SC/APC-SC/APC SM 9/125 SX LSZH White 1 m

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| | |
|--------------------------------|-------------|
| Fibre type | Single mode |
| Category | OS2 |
| Number of Cores | 1 |
| Cable type | Simplex |
| Length | 1 m |
| Type of connector connection 1 | SC |
| Type of connector connection 2 | SC |
| Outer sheath colour | White |

Product drawing



Excel Enbeam OS2 Fibre Optic Patch Lead G.657.B3 SC/APC-SC/APC SM 9/125 SX LSOH White 1 m

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Additional specifications

| Features | | Values |
|------------------------|----------------|---------------------------|
| Insertion loss | @1310nm/1550nm | ≤ 0.2dB |
| Attenuation | @full spectrum | ≤ 0.4dB |
| Dispersion coefficient | @1310nm | ≤ 3.0ps (nm.km) |
| | @1550nm | ≤ 18ps (nm.km) |
| Strength member | | Aramid yarn |
| Max tension | short term | 150 N |
| | long term | 80 N |
| Max bend radius | short term | 10 mm |
| | long term | 5 mm |
| Crush resistance | | 500 N/100 mm ² |
| Temperatures | operating | -20°C to 70°C |

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 |

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|---------------------------|---|
| 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 |
| 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 |
| IEC 61754-20:2012 | Fibre optic connector interfaces - Part 20: Type LC connector family |
| ISO/IEC 11801-1:2017 | Information technology - Generic cabling for customer premises: Part 1 General Requirements |

Excel Enbeam OS2 Fibre Optic Patch Lead G.657.B3 SC/APC-SC/APC SM 9/125 SX LS0H White 1 m

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|------------------------------------|--|
| 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. |
| 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. |

Part Code Table

| Part Code | Description |
|-----------|--|
| 201-219 | Excel Enbeam OS2 Fibre Optic Patch Lead G.657.B3 SC/APC-SC/APC SM 9/125 SX LS0H White 0.5 m |
| 201-220 | Excel Enbeam OS2 Fibre Optic Patch Lead G.657.B3 SC/APC-SC/APC SM 9/125 SX LS0H White 1 m |