

Excel Enbeam OS2 Fibre Optic Patch Lead Pull Tab LC-LC Singlemode 9/125 DX LS0H Yellow 3 m

excel
without compromise.

Part Code: 202-503

sales@excel-networking.com
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Main Features

- / Available in OM3/OM4/OS2
- / Low Loss Connectors
- / Easy polarity change
- / 100% Optically Tested
- / Very small 2mm diameter cable
- / 25 Year system warranty

Product Overview

Excel's range of LC Uniboot patch cords provide excellent performance in a compact design, using 2 mm round cable containing 2 x 600 micron diameter fibres, which are ideal in high density applications. They are available in a choice of OM3, OM4 or OS2 bend-insensitive fibre.

These patch cords are available in two versions - standard uniboot and pull-tab version. Both versions allow for easy polarity changing.

Product Specifications

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| Feature | Values |
|--|---------------|
| Fibre type | Single mode |
| Category | OS2 |
| Number of Cores | 2 |
| Outer diameter sheath single fibre | 1.6 mm |
| Cable type | Duplex |
| Length | 3 m |
| Type of connector connection 1 | LC (Pull Tab) |
| Type of connector connection 2 | LC (Pull Tab) |
| Outer sheath colour | Yellow |
| Strain relief boot | Push-on |
| Flame retardant according to IEC 60332-1-2 | yes |
| Low smoke (acc. IEC 61034-2) | yes |

Cable specifications

| Features | Values |
|------------------------------|---------------------|
| Cable Construction | Round Duplex |
| No. of Fibres | 2 |
| Cable Nominal Diameter | 2.0 mm |
| Colour | Yellow |
| Strength members | Aramid Yarn |
| Temperature range | -20 °C to +70 °C |
| Connector Material | Composite |
| Minimum bend radius (loaded) | 10 x cable diameter |

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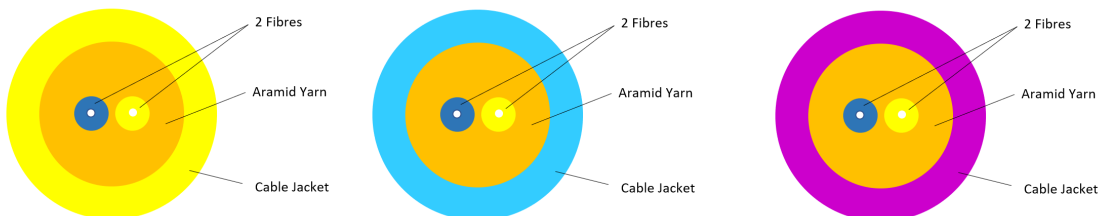
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| | |
|--------------------------|-----------------|
| Connector Ferrule | 1.25 mm Ceramic |
| Ferrule End Face | UPC Polish |
| Connector Insertion Loss | Max. 0.3 dB |

Fibre specifications

| Features | OS2 |
|----------------------------|----------------------|
| Fibre Attenuation @ 1310nm | Less than 0.35 dB/km |
| Fibre Attenuation @ 1550nm | Less than 0.20 dB/km |
| Connector IL - Typical | 0.15 dB |
| Connector IL - Max | 0.3 dB |
| Connector Return Loss | Less than -50 dB |

Cross-section diagram

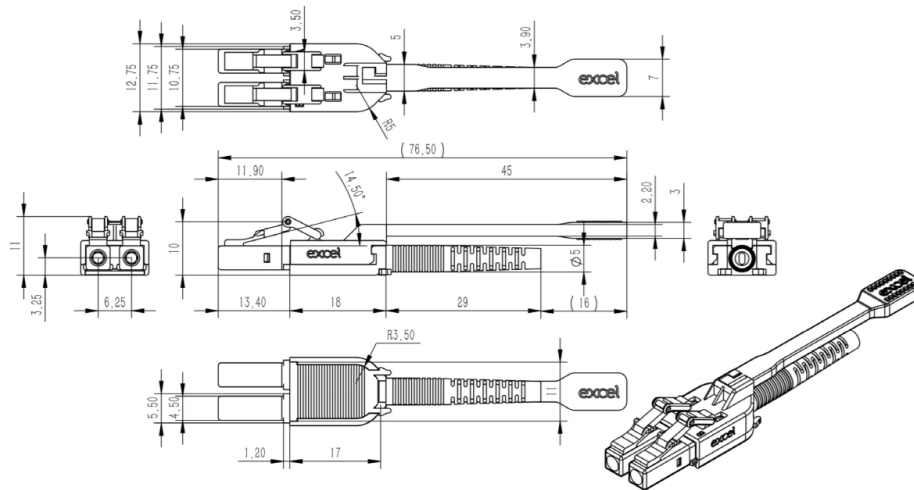


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Product drawing



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 |

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| | |
|------------------------------------|---|
| 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 61754-4-100:2015 | Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4-100: Type SC connector family - Simplified receptacle SC-PC connector interfaces |
| ISO/IEC 11801-1:2017 | Information technology - Generic cabling for customer premises: Part 1 General Requirements |
| 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. |

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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 |
|-----------|--|
| 202-500 | Excel Enbeam OS2 Fibre Optic Patch Lead Pull Tab LC-LC Singlemode 9/125 DX LS0H Yellow 0.5 m |
| 202-501 | Excel Enbeam OS2 Fibre Optic Patch Lead Pull Tab LC-LC Singlemode 9/125 DX LS0H Yellow 1 m |
| 202-502 | Excel Enbeam OS2 Fibre Optic Patch Lead Pull Tab LC-LC Singlemode 9/125 DX LS0H Yellow 2 m |
| 202-503 | Excel Enbeam OS2 Fibre Optic Patch Lead Pull Tab LC-LC Singlemode 9/125 DX LS0H Yellow 3 m |
| 202-505 | Excel Enbeam OS2 Fibre Optic Patch Lead Pull Tab LC-LC Singlemode 9/125 DX LS0H Yellow 5 m |
| 202-510 | Excel Enbeam OS2 Fibre Optic Patch Lead Pull Tab LC-LC Singlemode 9/125 DX LS0H Yellow 10 m |
| 202-515 | Excel Enbeam OS2 Fibre Optic Patch Lead Pull Tab LC-LC Singlemode 9/125 DX |

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LSOH Yellow 15 m

202-520

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LSOH Yellow 20 m