

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

Item Code: 202-403



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

| Feature | Values |
|------------------------------------|--------------|
| Fibre type | Single mode |
| Category | OS2 |
| Number of Cores | 2 |
| Outer diameter sheath single fibre | 2 mm |
| Cable type | Duplex |
| Length | 3 m |
| Type of connector connection 1 | LC (Uniboot) |
| Type of connector connection 2 | LC (Uniboot) |
| Outer sheath colour | Yellow |
| Strain relief boot | Push-on |

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

Fibre specifications

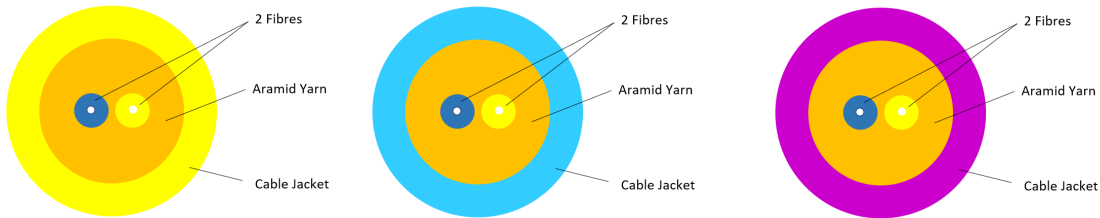
| Features | OS2 |
|----------------------------|----------------------|
| Fibre Attenuation @ 1310nm | Less than 0.35 dB/km |
| Fibre Attenuation @ 1550nm | Less than 0.20 dB/km |
| Connector IL - Typical | 0.15 dB |
| Connector IL - Max | 0.3 dB |
| Connector Return Loss | Less than -50 dB |

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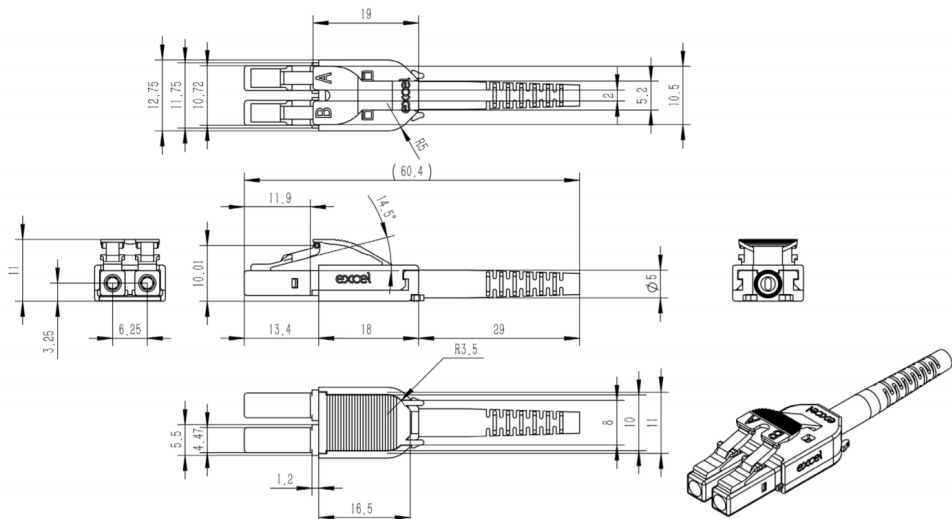
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Cross-section diagram



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 |

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|--|---|
| 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 61754-4-100:2015 | 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 |
| 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). |
| 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. |

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Part Number Table

| Part Number | Description |
|-------------|---|
| 202-400 | Excel Enbeam OS2 Fibre Optic Patch Lead Uniboot LC-LC Singlemode 9/125 DX LS0H Yellow 0.5 m |
| 202-401 | Excel Enbeam OS2 Fibre Optic Patch Lead Uniboot LC-LC Singlemode 9/125 DX LS0H Yellow 1 m |
| 202-402 | Excel Enbeam OS2 Fibre Optic Patch Lead Uniboot LC-LC Singlemode 9/125 DX LS0H Yellow 2 m |
| 202-403 | Excel Enbeam OS2 Fibre Optic Patch Lead Uniboot LC-LC Singlemode 9/125 DX LS0H Yellow 3 m |
| 202-405 | Excel Enbeam OS2 Fibre Optic Patch Lead Uniboot LC-LC Singlemode 9/125 DX LS0H Yellow 5 m |
| 202-410 | Excel Enbeam OS2 Fibre Optic Patch Lead Uniboot LC-LC Singlemode 9/125 DX LS0H Yellow 10 m |
| 202-415 | Excel Enbeam OS2 Fibre Optic Patch Lead Uniboot LC-LC Singlemode 9/125 DX LS0H Yellow 15 m |
| 202-420 | Excel Enbeam OS2 Fibre Optic Patch Lead Uniboot LC-LC Singlemode 9/125 DX LS0H Yellow 20 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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