

Item Code: 202-400



☒ 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	0.5 m
Type of connector connection 1	LC
Type of connector connection 2	LC
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

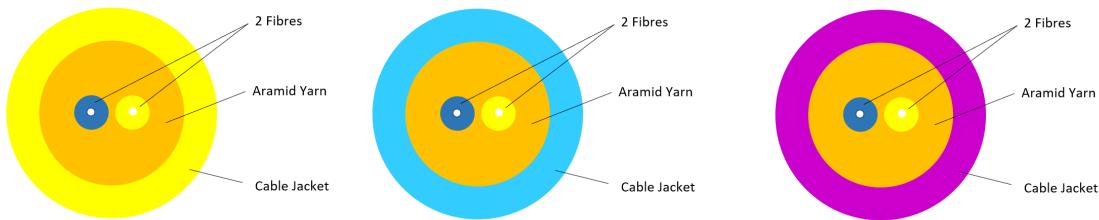
Features	Values
Cable Construction	Round Duplex
No. of Fibres	2
Cable Nominal Diamter	2.0 mm
Colour	Yellow
Strength members	Aramid Yarn
Temperature range	-20 °C to +70 °C
Connector Material	Composite
Minimum bend radius (loaded)	10 x cable diameter
Connector Ferrule	1.25 mm Ceramic
Ferrule End Face	UPC Polish
Connector Insertion Loss	Max. 0.3 dB

### Fibre specifications

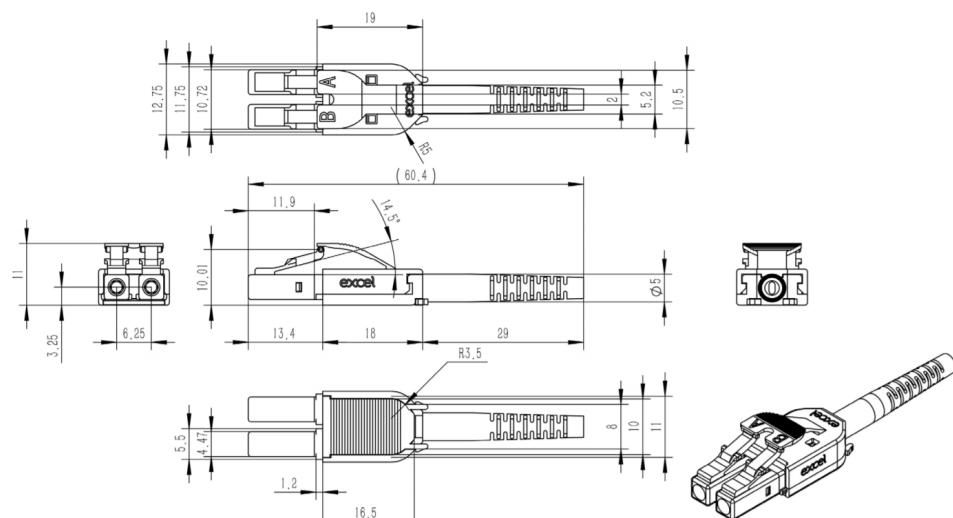
Features	OS2
Fibre Attenuation @ 1310nm	Less than 0.35 dB/km
Fibre Attenuation @ 1550nm	Less than 0.20 dB/km
Connector IL - Typical	0.15 dB
Connector IL - Max	0.3 dB
Connector Return Loss	Less than -50 dB

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### 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

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Contact us at [sales@excel-networking.com](mailto:sales@excel-networking.com)

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