Item Code: 204-505









X Available in OM3/OM4/OS2
 X 100% Optically Tested
 X Low Loss Connectors
 X Very small 2mm diameter cable
 X 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  $2 \times 600$  micron diameter fibres, which are ideal in high density applications. They are available in a choice of OM3, OM4 or OS2 bendinsensitive 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	Multi mode 50/125
Category	OM4
Number of Cores	2
Outer diameter sheath single fibre	2 mm
Cable type	Duplex
Length	5 m
Type of connector connection 1	LC (Pull Tab)
Type of connector connection 2	LC (Pull Tab)
Outer sheath colour	Violet
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	OM3	OM4
Cable Construction	Round Duplex	Round Duplex
No. of Fibres	2	2
Cable Nominal Diamter	2.0mm	2.0mm
Colour	Aqua	Heather Violet
Strength members	Aramid Yarn	Aramid Yarn
Temperature range	-20C to +70C	-20C to +70C
Connector Material	Composite	Composite
Minimum bend radius (loaded)	10 x cable diameter	10 x cable diameter
Connector Ferrule	1.25mm Ceramic	1.25mm Ceramic
Ferrule End Face	PC Polish	PC Polish
Connector Insertion Loss	Max. 0.3dB	Max. 0.3dB

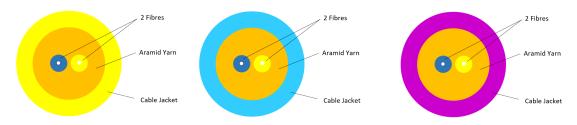
## **Fibre specifications**

Features	Values
Fibre Attenuation @ 850nm	Less than 3.5dB/km
Fibre Attenuation @ 1300nm	Less than 1.5dB/km
Connector IL - Typical	0.15dB
Connector IL - Max	0.3dB
Connector Return Loss	Less than -30dB

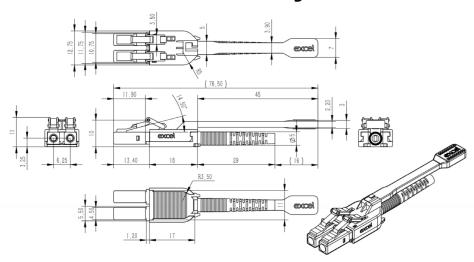
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## **Cross-section diagram**



## **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

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procedures - Coating geometry
Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement
Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test
Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile Strength
Characteristics of a 50/125 $\mu m$ multimode graded index optical fibre cable for the optical access network
Information technology. Generic cabling systems - General requirements
Information technology. Generic cabling systems - Office premises
Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance
Fibre optic connector interfaces - Part 2: Type BFOC/2,5 connector family
Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4: Type SC connector family
Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4-100: Type SC connector family - Simplified receptacle SC-PC connector interfaces
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).
Compliant to Waste Framework Directive
Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)
EU Regulation for the restriction of Persistent Organic Pollutants.

## **Part Number Table**

Part Number	Description
203-500	Excel Enbeam OM3 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Aqua 0.5 m
203-501	Excel Enbeam OM3 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125

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	DX LS0H Aqua 1 m
203-502	Excel Enbeam OM3 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Aqua 2 m
203-503	Excel Enbeam OM3 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Aqua 3 m
203-505	Excel Enbeam OM3 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Aqua 5 m
203-510	Excel Enbeam OM3 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Aqua 10 m
203-515	Excel Enbeam OM3 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Aqua 15 m
203-520	Excel Enbeam OM3 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Aqua 20 m
204-500	Excel Enbeam OM4 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Violet 0.5 m
204-501	Excel Enbeam OM4 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Violet 1 m $$
204-502	Excel Enbeam OM4 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Violet 2 m $$
204-503	Excel Enbeam OM4 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Violet 3 m
204-505	Excel Enbeam OM4 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Violet 5 m
204-510	Excel Enbeam OM4 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Violet 10 m
204-515	Excel Enbeam OM4 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Violet 15 m
204-520	Excel Enbeam OM4 Fibre Optic Patch Lead Pull Tab LC-LC Multimode 50/125 DX LS0H Violet 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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