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 2×600 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	1.6 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

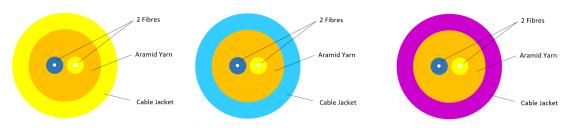
Fibre specifications

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

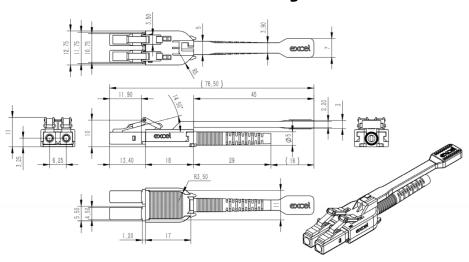
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Cross-section diagram



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 μm 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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