

Enbeam OM4 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Violet 1 m

Item Code: 204-330

excel
without compromise.



X 100% Optically Tested

X Test Certificate Included

X Low Loss Connectors

X Zirconia Ceramic PC Ferrules

X Polarity Changeable (Duplex Connectors)

X Bend insensitive construction

Product overview

Excel OM4 50/125µm duplex patch leads are manufactured from the highest quality 900µm buffer/jacket optical fibre, terminated with ceramic ferrule connectors.

Each cable has strain relief boots to prolong and maintain performance levels of the assembly, transmit and receive 'legs' of each duplex cable are identified by means of ring type cable marker fixed to each end the assembly. A short distance from these identification rings heat shrink is applied to maintain an easy to manage bonded two fibre cable, finally a label containing a unique batch number is fixed to the centre of cable for quality and traceability purposes.

Product specifications

Features	Values
Fibre type	Multi mode 50/125
Category	OM4
Number of Cores	2
Outer diameter sheath single fibre	2.8 mm
Cable type	Duplex
Length	1 m
Type of connector connection 1	LC
Type of connector connection 2	LC
APC-type	no
Outer sheath colour	violet
Strain relief boot	Push-on

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Features	Values
Flame retardant	In accordance with EN 60332-1-2
Low smoke	In accordance with IEC/EN 61034-2

Cable specifications

Features	Values	SC Assemblies	LC Assemblies
Cable Construction	Duplex zip-cord		
No. of Fibres	2		
Cable Dimensions		2.8 x 5.7mm	2.0 x 4.0mm
Colour	Heather Violet		
Strength members	Aramid Yarn		
Temperature range	-20C to +70C		
Connector Material		Composite	Composite
Minimum bend radius (loaded)	10 x cable diameter		
Connector Ferrule		2.5mm Ceramic	1.25mm Ceramic
Ferrule End Face	PC Polish		
Connector Insertion Loss	Max. 0.3dB		

Fibre specifications

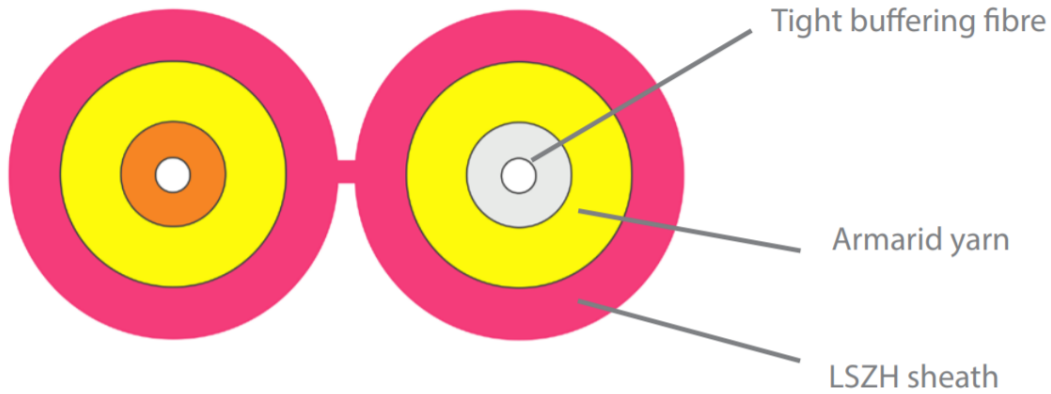
Features	Values
Core diameter	50.0 +/- 2.0um
Cladding diameter	125.0 +/- 1.0um
Primary Coating diameter	250 +/- 15um
Secondary coating diameter	900 um nominal
Max. attenuation at 850nm	2.3 dB/km
Max attenuation at 1300nm	0.6 dB/km
Refractive Index at 850nm	1.482
Refractive Index at 1300nm	1.477
Numerical aperture	0.200 +/- 0.015
Bandwidth at 850nm	4700 MHz.km
Bandwidth at 1300nm	500 MHz.km

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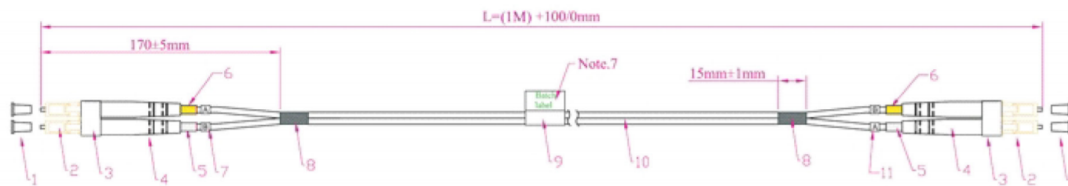
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Cross-section diagram



Product drawing



Standards

Applicable standard	Detail
IEC 60793-1-1:2017	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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Applicable standard	Detail
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 G.651.1	Characteristics of a 50/125 µm multimode graded index optical fibre cable for the optical access network
EN 50173-1:2011	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
RoHS	Restriction of Hazardous Substances - Compliant

Part number table

Part Number	Description
204-300	Enbeam OM4 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Aqua 1m
204-301	Enbeam OM4 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Aqua 2m
204-302	Enbeam OM4 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Aqua 3m
204-303	Enbeam OM4 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Aqua 5m
204-304	Enbeam OM4 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Aqua 1m
204-305	Enbeam OM4 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Aqua 2m
204-306	Enbeam OM4 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Aqua 3m
204-307	Enbeam OM4 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Aqua 5m
204-308	Enbeam OM4 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Aqua 1m
204-309	Enbeam OM4 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Aqua 2m
204-310	Enbeam OM4 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Aqua 3m
204-323	Enbeam OM4 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Aqua 10m
204-330	Enbeam OM4 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Violet 1m
204-331	Enbeam OM4 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Violet 2m
204-332	Enbeam OM4 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Violet 3m
204-333	Enbeam OM4 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Violet 5m
204-334	Enbeam OM4 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Violet 1m
204-335	Enbeam OM4 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Violet 2m

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Part Number	Description
204-336	Enbeam OM4 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Violet 3m
204-337	Enbeam OM4 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Violet 5m
204-338	Enbeam OM4 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Violet 1m
204-339	Enbeam OM4 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Violet 2m
204-340	Enbeam OM4 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Violet 3m
204-341	Enbeam OM4 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Violet 5m
204-352	Enbeam OM4 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Violet 10m

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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