

Enbeam OM2 Fibre Optic Patch Lead ST-ST Multimode 50/125 Duplex LS0H Orange 0.5m

Item Code: 202-197



- ✕ 100% Optically Tested
- ✕ Test Certificate Included
- ✕ Low Loss Connectors
- ✕ Zirconia Ceramic PC Ferrules
- ✕ Polarity Changeable (Duplex Connectors)
- ✕ Bend insensitive construction

Product overview

Excel OM2 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	OM2
Number of Cores	2
Outer diameter sheath single fibre	2.8 mm
Cable type	Duplex
Length	0.5 m
Type of connector connection 1	ST
Type of connector connection 2	ST
APC-type	no
Outer sheath colour	Orange
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	ST Assemblies	SC Assemblies	LC Assemblies
Cable Construction	Duplex zip-cord			
No. of Fibres	2			
Cable Dimensions		2.8 x 5.7mm	2.8 x 5.7mm	2.0 x 4.0mm
Colour	Orange			
Strength members	Aramid Yarn			
Temperature range	-20C to +70C			
Connector Material		Nickel plated Brass	Composite	Composite
Minimum bend radius (loaded)	10 x cable diameter			
Connector Ferrule		2.5mm Ceramic	2.5mm Ceramic	1.25mm Ceramic
Ferrule End Face	PC Polish			
Connector Insertion Loss	Max. 0.3dB			

Fibre specifications

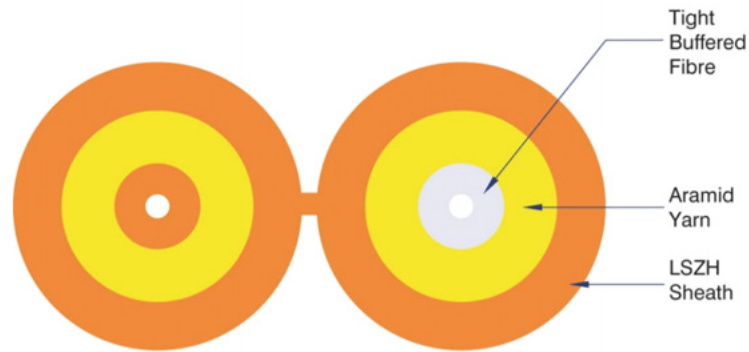
Features	Values
Core diameter	50.0 +/- 1.0um
Cladding diameter	125.0 +/- 1.0um
Primary Coating diameter	250 +/- 15um
Secondary coating diameter	900 um nominal
Max. attenuation at 850nm	3.5dB/km
Max attenuation at 1300nm	1.5dB/km
Refractive Index at 850nm	1.482
Refractive Index at 1300nm	1.477
Bandwidth at 850nm	500 MHz.km
Bandwidth at 1300nm	500 MHz.km

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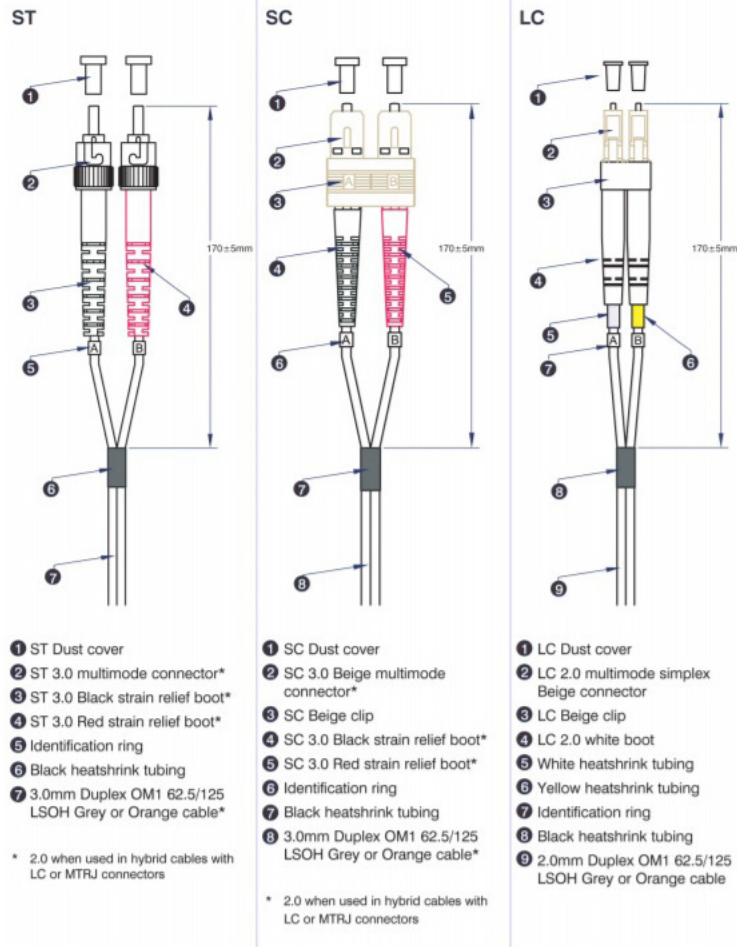
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Cross-section diagram



Product Schematics



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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
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
200-093	Enbeam OM2 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Orange 10m
200-094	Enbeam OM2 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Orange 15m
200-095	Enbeam OM2 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Orange 20m
200-168	Enbeam OM2 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Orange 1m
200-169	Enbeam OM2 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Orange 2m

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Part Number	Description
200-170	Enbeam OM2 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Orange 3m
200-171	Enbeam OM2 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Orange 5m
200-172	Enbeam OM2 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Orange 1m
200-173	Enbeam OM2 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Orange 2m
200-174	Enbeam OM2 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Orange 3m
200-175	Enbeam OM2 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Orange 5m
200-176	Enbeam OM2 Fibre Optic Patch Lead LC-ST Multimode 50/125 Duplex LS0H Orange 1m
200-177	Enbeam OM2 Fibre Optic Patch Lead LC-ST Multimode 50/125 Duplex LS0H Orange 2m
200-178	Enbeam OM2 Fibre Optic Patch Lead LC-ST Multimode 50/125 Duplex LS0H Orange 3m
200-179	Enbeam OM2 Fibre Optic Patch Lead LC-ST Multimode 50/125 Duplex LS0H Orange 5m
200-180	Enbeam OM2 Fibre Optic Patch Lead LC-ST Multimode 50/125 Duplex LS0H Orange 10m
200-200	Enbeam OM2 Fibre Optic Patch Lead ST-ST Multimode 50/125 Duplex LS0H Orange 1m
200-202	Enbeam OM2 Fibre Optic Patch Lead ST-ST Multimode 50/125 Duplex LS0H Orange 2m
200-204	Enbeam OM2 Fibre Optic Patch Lead ST-ST Multimode 50/125 Duplex LS0H Orange 3m
200-206	Enbeam OM2 Fibre Optic Patch Lead ST-ST Multimode 50/125 Duplex LS0H Orange 5m
200-209	Enbeam OM2 Fibre Optic Patch Lead ST-ST Multimode 50/125 Duplex LS0H Orange 10m
200-216	Enbeam OM2 Fibre Optic Patch Lead ST-SC Multimode 50/125 Duplex LS0H Orange 1m
200-218	Enbeam OM2 Fibre Optic Patch Lead ST-SC Multimode 50/125 Duplex LS0H Orange 2m
200-219	Enbeam OM2 Fibre Optic Patch Lead ST-SC Multimode 50/125 Duplex LS0H Orange 15m
200-220	Enbeam OM2 Fibre Optic Patch Lead ST-SC Multimode 50/125 Duplex LS0H Orange 3m
200-222	Enbeam OM2 Fibre Optic Patch Lead ST-SC Multimode 50/125 Duplex LS0H Orange 5m
200-224	Enbeam OM2 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Orange 1m
200-226	Enbeam OM2 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Orange 2m
200-227	Enbeam OM2 Fibre Optic Patch Lead ST-SC Multimode 50/125 Duplex LS0H Orange 10m
200-228	Enbeam OM2 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Orange 3m
200-229	Enbeam OM2 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Orange 5m
200-236	Enbeam OM2 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Orange 10m
200-237	Enbeam OM2 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Orange 15m
200-238	Enbeam OM2 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Orange 20m
200-265	Enbeam OM2 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Orange 10m
200-266	Enbeam OM2 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Orange 15m
200-267	Enbeam OM2 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Orange 20 m
200-286	Enbeam OM2 Fibre Optic Patch Lead ST-ST Multimode 50/125 Duplex LS0H Orange 15m
200-287	Enbeam OM2 Fibre Optic Patch Lead ST-ST Multimode 50/125 Duplex LS0H Orange 20m
200-533	Enbeam OM2 Fibre Optic Patch Lead LC-ST Multimode 50/125 Duplex LS0H Orange 20m
202-171	Enbeam OM2 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Orange 0.5m
202-174	Enbeam OM2 Fibre Optic Patch Lead LC-LC Multimode 50/125 Duplex LS0H Orange 30m
202-178	Enbeam OM2 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Orange 0.5m
202-181	Enbeam OM2 Fibre Optic Patch Lead LC-SC Multimode 50/125 Duplex LS0H Orange 30m
202-184	Enbeam OM2 Fibre Optic Patch Lead LC-ST Multimode 50/125 Duplex LS0H Orange 0.5m
202-191	Enbeam OM2 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Orange 0.5m
202-194	Enbeam OM2 Fibre Optic Patch Lead SC-SC Multimode 50/125 Duplex LS0H Orange 30m

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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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