

# Enbeam OM1 Fibre Optic Patch Lead ST-ST Multimode 62.5/125 Duplex LS0H Grey 0.5m

Item Code: 202-196

**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 25 Year System warranty

## Product overview

Excel OM1 62.5/125µm 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 62.5/125
Category	OM1
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	Grey
Strain relief boot	Push-on

Continued on the next page...

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Item Code: 202-196

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	Grey or 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

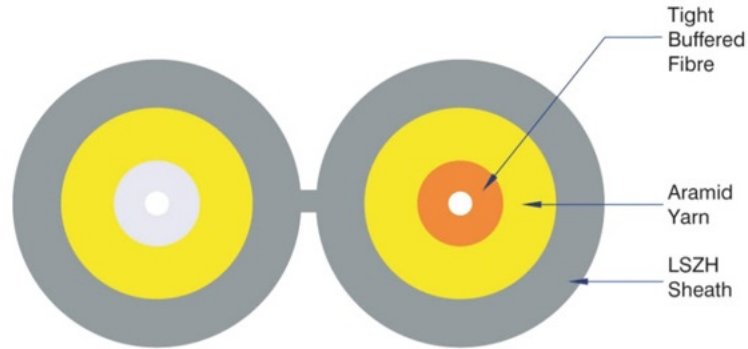
Features	Values
Core diameter	62.5 +/- 2.5um
Cladding diameter	125 +/- 1.0um
Primary Coating diameter	250 +/- 15um
Secondary coating diameter	900 um nominal
Max. attenuation at 850nm	3.5dB/km
Max attenuation at 1300nm	1.5dB/km
Refractive Index at 850nm	1.496
Refractive Index at 1300nm	1.491
Bandwidth at 850nm	200 MHz.km
Bandwidth at 1300nm	500 MHz.km

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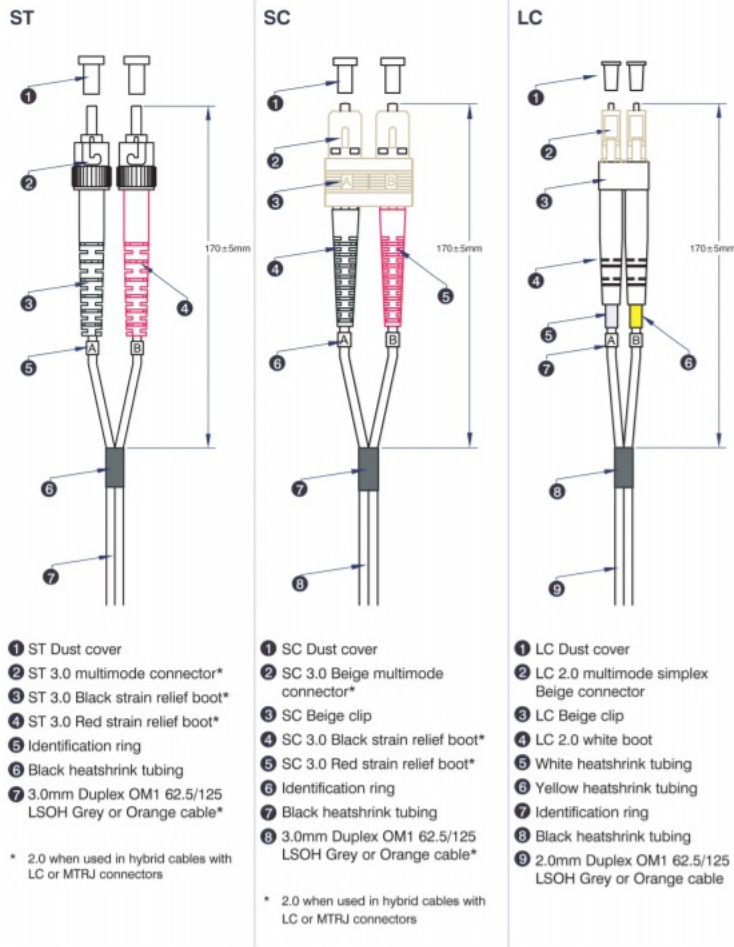
Item Code: 202-196



## 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
200-181	Enbeam OM1 Fibre Optic Patch Lead LC-LC Multimode 62.5/125 Duplex LS0H Grey 1m
200-182	Enbeam OM1 Fibre Optic Patch Lead LC-LC Multimode 62.5/125 Duplex LS0H Grey 2m
200-183	Enbeam OM1 Fibre Optic Patch Lead LC-LC Multimode 62.5/125 Duplex LS0H Grey 3m
200-184	Enbeam OM1 Fibre Optic Patch Lead LC-LC Multimode 62.5/125 Duplex LS0H Grey 5m
200-185	Enbeam OM1 Fibre Optic Patch Lead LC-SC Multimode 62.5/125 Duplex LS0H Grey 1m

Continued on the next page...

# Enbeam OM1 Fibre Optic Patch Lead ST-ST Multimode 62.5/125 Duplex LS0H Grey 0.5m

Item Code: 202-196



Part Number	Description
200-186	Enbeam OM1 Fibre Optic Patch Lead LC-SC Multimode 62.5/125 Duplex LS0H Grey 2m
200-187	Enbeam OM1 Fibre Optic Patch Lead LC-SC Multimode 62.5/125 Duplex LS0H Grey 3m
200-188	Enbeam OM1 Fibre Optic Patch Lead LC-SC Multimode 62.5/125 Duplex LS0H Grey 5m
200-189	Enbeam OM1 Fibre Optic Patch Lead LC-ST Multimode 62.5/125 Duplex LS0H Grey 1m
200-190	Enbeam OM1 Fibre Optic Patch Lead LC-ST Multimode 62.5/125 Duplex LS0H Grey 2m
200-191	Enbeam OM1 Fibre Optic Patch Lead LC-ST Multimode 62.5/125 Duplex LS0H Grey 3m
200-192	Enbeam OM1 Fibre Optic Patch Lead LC-ST Multimode 62.5/125 Duplex LS0H Grey 5m
200-290	Enbeam OM1 Fibre Optic Patch Lead ST-ST Multimode 62.5/125 Duplex LS0H Grey 1m
200-300	Enbeam OM1 Fibre Optic Patch Lead ST-ST Multimode 62.5/125 Duplex LS0H Grey 2m
200-310	Enbeam OM1 Fibre Optic Patch Lead ST-ST Multimode 62.5/125 Duplex LS0H Grey 3m
200-320	Enbeam OM1 Fibre Optic Patch Lead ST-ST Multimode 62.5/125 Duplex LS0H Grey 5m
200-324	Enbeam OM1 Fibre Optic Patch Lead ST-ST Multimode 62.5/125 Duplex LS0H Grey 10m
200-326	Enbeam OM1 Fibre Optic Patch Lead ST-ST Multimode 62.5/125 Duplex LS0H Grey 15m
200-329	Enbeam OM1 Fibre Optic Patch Lead ST-ST Multimode 62.5/125 Duplex LS0H Grey 20m
200-500	Enbeam OM1 Fibre Optic Patch Lead SC-SC Multimode 62.5/125 Duplex LS0H Grey 1m
200-510	Enbeam OM1 Fibre Optic Patch Lead SC-SC Multimode 62.5/125 Duplex LS0H Grey 2m
200-520	Enbeam OM1 Fibre Optic Patch Lead SC-SC Multimode 62.5/125 Duplex LS0H Grey 3m
200-524	Enbeam OM1 Fibre Optic Patch Lead SC-SC Multimode 62.5/125 Duplex LS0H Grey 10m
200-525	Enbeam OM1 Fibre Optic Patch Lead SC-SC Multimode 62.5/125 Duplex LS0H Grey 15m
200-526	Enbeam OM1 Fibre Optic Patch Lead SC-SC Multimode 62.5/125 Duplex LS0H Grey 20m
200-530	Enbeam OM1 Fibre Optic Patch Lead SC-SC Multimode 62.5/125 Duplex LS0H Grey 5m
200-600	Enbeam OM1 Fibre Optic Patch Lead ST-SC Multimode 62.5/125 Duplex LS0H Grey 1m
200-610	Enbeam OM1 Fibre Optic Patch Lead ST-SC Multimode 62.5/125 Duplex LS0H Grey 2m
200-620	Enbeam OM1 Fibre Optic Patch Lead ST-SC Multimode 62.5/125 Duplex LS0H Grey 3m
200-630	Enbeam OM1 Fibre Optic Patch Lead ST-SC Multimode 62.5/125 Duplex LS0H Grey 5m
200-634	Enbeam OM1 Fibre Optic Patch Lead ST-SC Multimode 62.5/125 Duplex LS0H Grey 10m
200-635	Enbeam OM1 Fibre Optic Patch Lead ST-SC Multimode 62.5/125 Duplex LS0H Grey 15m
200-636	Enbeam OM1 Fibre Optic Patch Lead ST-SC Multimode 62.5/125 Duplex LS0H Grey 20m
202-000	Enbeam OM1 Fibre Optic Patch Lead LC-LC Multimode 62.5/125 Duplex LS0H Grey 10m
202-001	Enbeam OM1 Fibre Optic Patch Lead LC-LC Multimode 62.5/125 Duplex LS0H Grey 15m
202-002	Enbeam OM1 Fibre Optic Patch Lead LC-LC Multimode 62.5/125 Duplex LS0H Grey 20m
202-003	Enbeam OM1 Fibre Optic Patch Lead LC-SC Multimode 62.5/125 Duplex LS0H Grey 10m
202-004	Enbeam OM1 Fibre Optic Patch Lead LC-SC Multimode 62.5/125 Duplex LS0H Grey 15m
202-006	Enbeam OM1 Fibre Optic Patch Lead LC-ST Multimode 62.5/125 Duplex LS0H Grey 10m
202-007	Enbeam OM1 Fibre Optic Patch Lead LC-ST Multimode 62.5/125 Duplex LS0H Grey 15m
202-008	Enbeam OM1 Fibre Optic Patch Lead LC-ST Multimode 62.5/125 Duplex LS0H Grey 20m
202-170	Enbeam OM1 Fibre Optic Patch Lead LC-LC Multimode 62.5/125 Duplex LS0H Grey 0.5m
202-177	Enbeam OM1 Fibre Optic Patch Lead LC-SC Multimode 62.5/125 Duplex LS0H Grey 0.5m
202-180	Enbeam OM1 Fibre Optic Patch Lead LC-SC Multimode 62.5/125 Duplex LS0H Grey 30m
202-183	Enbeam OM1 Fibre Optic Patch Lead LC-ST Multimode 62.5/125 Duplex LS0H Grey 0.5m
202-186	Enbeam OM1 Fibre Optic Patch Lead LC-ST Multimode 62.5/125 Duplex LS0H Grey 30m
202-190	Enbeam OM1 Fibre Optic Patch Lead SC-SC Multimode 62.5/125 Duplex LS0H Grey 0.5m
202-193	Enbeam OM1 Fibre Optic Patch Lead SC-SC Multimode 62.5/125 Duplex LS0H Grey 30m

Continued on the next page...

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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](mailto:sales@excel-networking.com)



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