

- 100% optically tested
- Test certificate included
- Low loss connectors
- Zirconia ceramic ferrules
- Bend insensitive construction
- CIBSE TM65 Embodied Carbon: 0.094 kg CO2e

Product Overview

Excel OS2 9/125 µm simplex patch leads are manufactured from the highest quality 900 µm G.657.A2 buffer/jacket optical fibre, terminated with ceramic ferrule connectors. Each cable has strain relief boots to prolong and maintain performance levels of the assembly. A label containing a unique batch number is fixed to the centre of cable for quality and traceability purposes.

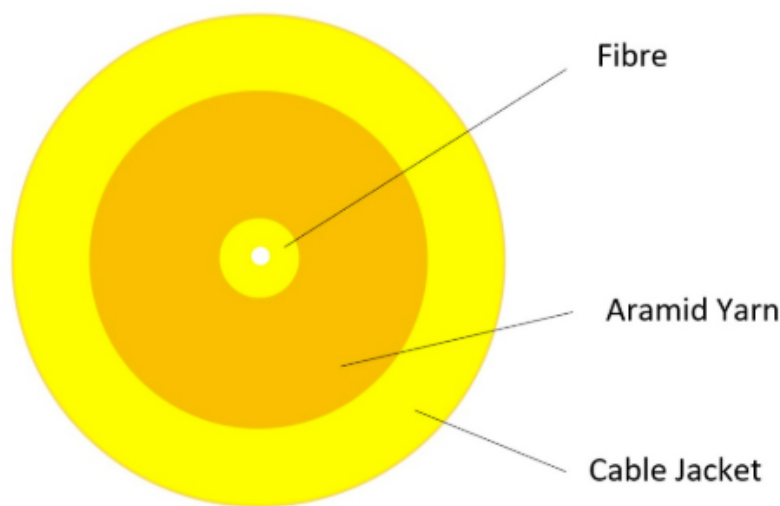
Product Specifications

Feature	Values
Fibre type	Single mode
Category	OS2
Number of Cores	1
Outer diameter sheath single fibre	2 mm
Cable type	Simplex
Length	3 m
Type of connector connection 1	LCA
Type of connector connection 2	LCA
Outer sheath colour	Yellow
Strain relief boot	Push-on
Flame retardant according to IEC 60332-1-2	yes
Low smoke (acc. IEC 61034-2)	yes

Additional specifications

Feature	Value
Cable Construction	Simplex
No of fibres	1
Cable Diameter	2 mm
Insertion Grade	B
Insertion Loss MAX	0.15 dB
Return Loss APC	>65 dB
Return loss UPC	>50 dB
Tensile SC	100 N
Tensile LC	80 N
Durability	500 matings
Operating Temperature	-20°C - 70°C
Storage Temperature	-40°C - 85°C

Cross-section diagram



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 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

# Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/APC-LC/APC SM 9/125 SX LS0H Yellow 3 m

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IEC 60793-1-31:2010	Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile Strength
ITU-T G.652:2016	Characteristics of a single-mode optical fibre and cable
ITU-T G.657:2016	Characteristics of a bending-loss insensitive single-mode optical fibre and cable
EN 50173-1:2018	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
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
ISO/IEC 11801-1:2017	Information technology - Generic cabling for customer premises: Part 1 General Requirements
RoHS-II/-III (2011/65/EU & 2015/863): 2023	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).
WFD: 2023	Compliant to Waste Framework Directive
SCIP: 2023	Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)
POPs (EU) No 2019/1021	EU Regulation for the restriction of Persistent Organic Pollutants.

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## Part Number Table

Part Number	Description
202-300	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/APC-LC/APC SM 9/125 SX LS0H Yellow 0.5 m
202-301	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/APC-LC/APC SM 9/125 SX LS0H Yellow 1 m
202-302	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/APC-LC/APC SM 9/125 SX LS0H Yellow 2 m
202-303	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/APC-LC/APC SM 9/125 SX LS0H Yellow 3 m
202-320	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-SC/APC SM 9/125 SX LS0H Yellow 0.5 m
202-321	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-SC/APC SM 9/125 SX LS0H Yellow 1 m
202-322	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-SC/APC SM 9/125 SX LS0H Yellow 2 m
202-323	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-SC/APC SM 9/125 SX LS0H White 2 m
202-324	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-SC/APC SM 9/125 SX LS0H Yellow 3 m
202-325	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-SC/APC SM 9/125 SX LS0H White 3 m
202-326	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-SC/APC SM 9/125 SX LS0H Yellow 20 m
202-327	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-SC/APC SM 9/125 SX LS0H White 20 m
202-330	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/UPC-LC/APC SM 9/125 SX LS0H Yellow 0.5 m
202-331	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/UPC-LC/APC SM 9/125 SX LS0H Yellow 1 m
202-332	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/UPC-LC/APC SM 9/125 SX LS0H Yellow 2 m
202-333	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/UPC-LC/APC SM 9/125 SX LS0H Yellow 3 m
202-335	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/UPC-LC/APC SM 9/125 SX LS0H Yellow 5 m
202-340	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/UPC-LC/APC SM 9/125 SX LS0H Yellow 0.5 m
202-341	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/UPC-LC/APC SM 9/125 SX LS0H Yellow 1 m

# Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/APC-LC/APC SM 9/125 SX LS0H Yellow 3 m

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202-342	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/UPC-LC/APC SM 9/125 SX LS0H Yellow 2 m
202-350	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/UPC-LC/UPC SM 9/125 SX LS0H Yellow 0.5 m
202-351	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/UPC-LC/UPC SM 9/125 SX LS0H Yellow 1 m
202-352	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/UPC-LC/UPC SM 9/125 SX LS0H Yellow 2 m
202-353	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-SC/APC SM 9/125 SX LS0H White 0.5 m
202-354	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-SC/APC SM 9/125 SX LS0H White 1 m
202-356	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-SC/UPC SM 9/125 SX LS0H Yellow 0.5 m
202-357	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-SC/UPC SM 9/125 SX LS0H White 0.5 m
202-358	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-LC/APC SM 9/125 SX LS0H Yellow 20 m
202-359	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-LC/APC SM 9/125 SX LS0H White 20 m
202-361	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-LC/APC SM 9/125 SX LS0H Yellow 1 m
202-362	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-LC/APC SM 9/125 SX LS0H Yellow 2 m
202-363	Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/APC-LC/APC SM 9/125 SX LS0H Yellow 3 m

Excel is a world class premium performing end to end infrastructure solution designed, Manufactured, supported and delivered without compromise.

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