



IMAGE  
COMING SOON

100% optically tested

Test certificate included

Low loss connectors

Zirconia ceramic ferrules

Bend insensitive construction

CIBSE TM65 Embodied Carbon: 0.048 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

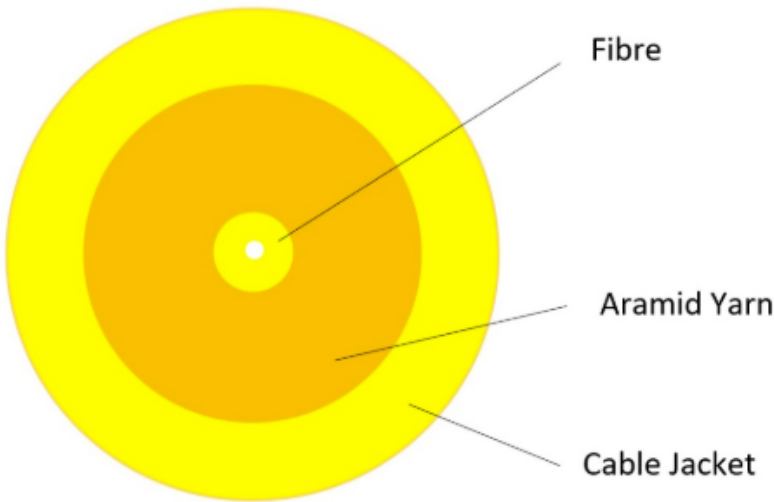
| Feature                                    | Values      |
|--|-------------|
| Fibre type                                 | Single mode |
| Category                                   | OS2         |
| Number of Cores                            | 1           |
| Outer diameter sheath single fibre         | 2 mm        |
| Cable type                                 | Simplex     |
| Length                                     | 1 m         |
| Type of connector connection 1             | LC          |
| Type of connector connection 2             | LC          |
| 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/UPC-LC/UPC SM 9/125 SX LS0H Yellow 1 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/UPC-LC/UPC SM 9/125 SX LS0H Yellow 1 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.

Contact us at [sales@excel-networking.com](mailto:sales@excel-networking.com)



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