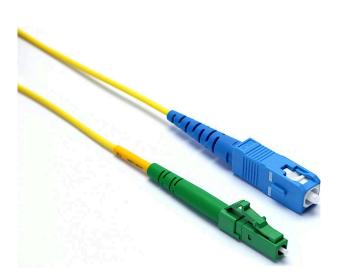
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- ★ 100% optically tested
- X Test certificate included
- X Low loss connectors
- X 7irconia ceramic ferrules
- X Bend insensitive construction
- X CIBSE TM65 Embodied Carbon: 0.081 kg CO2e

Product Overview

Excel OS2 9/125 μ m simplex patch leads are manufactured from the highest quality 900 μ m 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 | 2 m |
| Type of connector connection 1 | SC |
| 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 |

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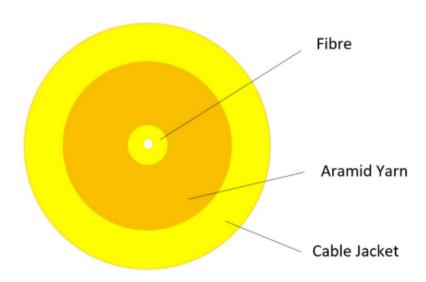
Additional specifications

| Feature | Value |
|-----------------------|--------------|
| Cable Construction | Simplex |
| No of fibres | 1 |
| Cable Diameter | 2 mm |
| Insertion Grade | В |
| 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 |
| | |

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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 |

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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 $$ |
| 202-332 | Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/UPC-LC/APC SM 9/125 SX LS0H Yellow 2 m |
| 202-333 | Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/UPC-LC/APC SM 9/125 SX LS0H Yellow 3 m |
| 202-335 | Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm SC/UPC-LC/APC SM 9/125 SX LS0H Yellow 5 m |
| 202-340 | Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/UPC-LC/APC SM 9/125 SX LS0H Yellow 0.5 m |
| 202-341 | Excel Enbeam OS2 Fibre Optic Patch Lead 2 mm LC/UPC-LC/APC SM 9/125 SX LS0H Yellow 1 m $$ |

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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

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