

Excel Enbeam OS2 FTTx Drop Cable 250 µm 2 Core Cca White

Item Code: 205-332



✕ G.657.A2 Bend Insensitive

✕ Small Diameter Pre-terminated options

✕ Ideal for FTTx/PON Applications

✕ 250 micron fibre

✕ Euroclass Cca-s1b-d0-a1

✕ 25 Year system warranty

Product Overview

Enbeam OS2 Singlemode FTTx Drop Cable 250 µm 2 Core 9/125 Cca White, part of a huge range of OS2 fibre optic cables fully stocked at Mayflex.

The Enbeam from 2 to 4-core mini breakout/drop cable is designed for indoor FTTx applications.

The very small diameter, high strength and CPR compliance to Cca, coupled with bend-insensitive fibres makes this cable ideal for behind-the-wall installations in any FTTx or PON network, especially where space is tight.

The cable can be supplied on reels or pre-cut lengths as well as pre-terminated on one end into an outlet box.

Product Specifications

| Feature | Values |
|--|-------------------|
| Number of Cores | 2 |
| Number of fibres per tube | 2 |
| Fibre type | Single mode 9/125 |
| Category | OS2 |
| Rodent resistant | yes |
| Outer sheath colour | White |
| Longitudinal water blocking cable | no |
| Flame retardant according to IEC 60332-1-2 | yes |
| Low smoke (acc. IEC 61034-2) | yes |

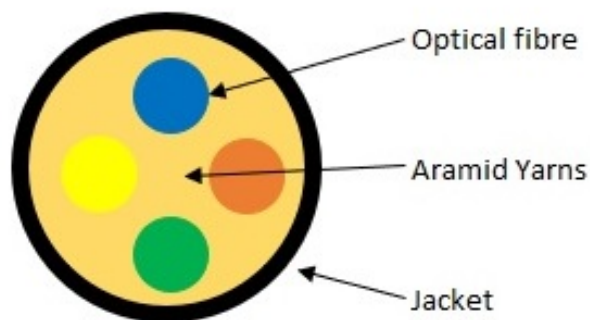
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| | |
|---|------|
| Reaction-to-fire class according to EN 13501-6 | Cca |
| Smoke development class according to EN 13501-6 | s1b |
| Euro class flaming droplets/particles according to EN 13501-6 | d0 |
| Euro class acidity according to EN 13501-6 | a1 |
| Outer diameter approx. | 3 mm |
| RAL-number | 9010 |

Cross-section diagram



Fibre specifications

| Features | | Values |
|----------------------------------|------------------|-------------|
| Attenuation | @1310 nm (dB/km) | ≤ 0.35 |
| | @1383 nm (dB/km) | ≤ 0.35 |
| | @1490 nm (dB/km) | ≤ 0.24 |
| | @1550 nm (dB/km) | ≤ 0.20 |
| | @1625 nm (dB/km) | ≤ 0.23 |
| Fibre Core (µm) | | 8.2 |
| Core Non-Circularity | | ≤ 0.7 % |
| Core-Clad Concentricity (µm) | | ≤ 0.5 |
| Cladding Diameter (µm) | | 125.0 ± 0.7 |
| Cladding Non-Circularity | | ≤ 1.0 % |
| Coating Diameter (µm) | | ± 5 |
| Coating-Clad Concentricity Error | | ≤ 12 |

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| | |
|--------------------------|----------------------------|
| (µm) | |
| Jacket Material : LSFRZH | LSFRZH |
| Strength member | Aramid yarn |
| 1-4 Fibre Colour | Blue, Orange, Green, Brown |
| Numerical aperture | 0.14 |

Standards

| Applicable standard | Subject |
|---------------------------|--|
| IEC 60332-1-2:2004 | 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 60754-2:2014+A1:2020 | Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity |
| IEC 61034-2:2005+A2:2020 | Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements |
| IEC 60793-1-1:2022 | Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance |
| 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 |
| ITU G.652.D | Characteristics of a single-mode optical fibre and cable |
| EN 50173-1:2018 | Information technology. Generic cabling systems - General requirements |
| EN 50575: 2014 + A1: 2016 | Power, control and communication cables — Cables for general applications in construction works subject to reaction to fire requirements |
| EN 50399:2011+A1:2016 | Common test methods for cables under fire conditions. Heat release and smoke production measurement on cables during flame spread test. Test apparatus, procedures, results |
| ISO/IEC 11801-1:2017 | Information technology - Generic cabling for customer |

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premises: Part 1 General Requirements

| | |
|--|---|
| ANSI/TIA 568-3.D | Optical Fiber Cabling and Components Standard |
| ANSI/TIA/EIA 598-D | Optical Fibre Cable Colour Coding |
| 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. |

Part Number Table

| Part Number | Description |
|-------------|--|
| 205-331 | Excel Enbeam OS2 FTTx Drop Cable 250 ?m 4 Core Cca White |
| 205-332 | Excel Enbeam OS2 FTTx Drop Cable 250 ?m 2 Core Cca White |

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Contact us at sales@excel-networking.com



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