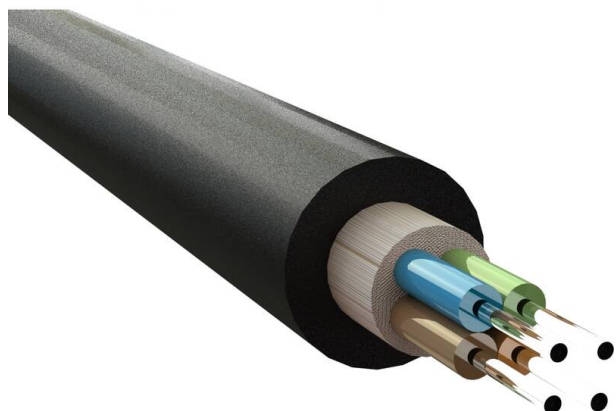


Excel Enbeam OS2 Drop Cable Micromodule G.657.A2 4 mm 2 Core 9/125 Cca Black

Item Code: 275-202

excel
without compromise.



✕ Suitable for internal/external use

✕ G.657.A2

✕ PIA approved

✕ LSZH

✕ UV-Resistant

✕ Euro class Cca-s1,d1,a1

Product Overview

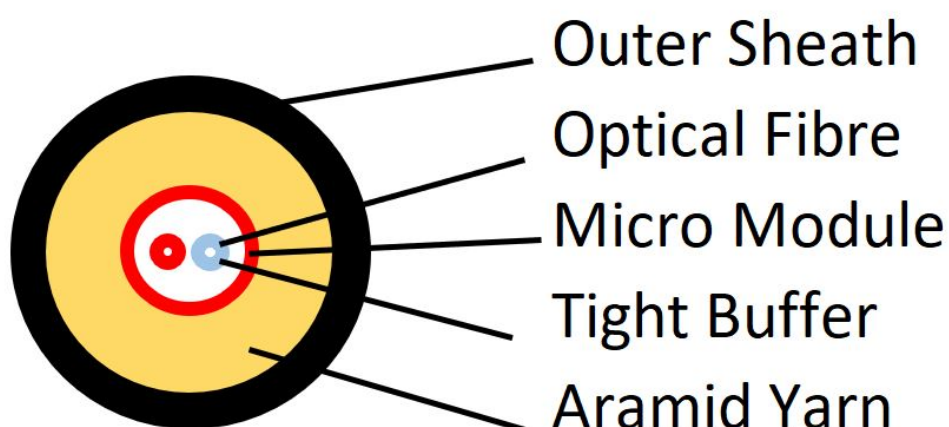
Enbeam 2 fibre drop cable has been designed for internal and external installations aimed at the FTTH and multi dwelling market. The cable consists of a single core 900um single mode G.657.A2 fibre surrounded by a micromodule and aramid yarn as a strength member covered with a Black UV resistant LSZH outer sheath.

Product Specifications

| Feature | Values |
|---|-------------------|
| Number of Cores | 2 |
| Type of tube | Tight |
| Fibre type | Single mode 9/125 |
| Category | OS2 |
| Rodent resistant | no |
| Outer sheath colour | Black |
| Flame retardant according to IEC 60332-1-2 | yes |
| Low smoke (acc. IEC 61034-2) | yes |
| Reaction-to-fire class according to EN 13501-6 | Cca |
| Smoke development class according to EN 13501-6 | s1a |
| Euro class flaming droplets/particles according to EN 13501-6 | d1 |

| | |
|--|------|
| Euro class acidity according to EN 13501-6 | a2 |
| Outer diameter approx. | 4 mm |

Cross-section diagram



Fibre specifications

| Features | Values |
|------------------------------|----------------------|
| Attenuation | @1310nm (dB/KM) ≤0.4 |
| | @1550nm (dB/KM) ≤0.3 |
| Outer jacket material | LSZH-UV resistant |
| Outer jacket colour | Black |
| Outer jacket thickness (mm) | 0.6±0.05 |
| Strength member | Aramid yarn |
| Fibre colour | Red/Blue |
| Tight buffer material | LSZH |
| Tight buffer diameter (mm) | 0.9±0.05 |
| Micro bundle colour | Red |
| Micro bundle jacket material | LSZH |
| Short term tensile strength | 500N |
| Minimum breaking tension | 1200N |

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| | |
|-----------------------------------|---------------|
| Short crush resistance (N/100 mm) | 1000 |
| Overall cable diameter | 4mm |
| Operating temperature | -20 to +65 °C |

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 60754-2:2011 | Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity |
| IEC 61034-2:2005+A1:2013 | 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 premises: Part 1 General Requirements |
| ANSI/TIA 568-3.D | Optical Fiber Cabling and Components Standard |

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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 |
|-------------|--|
| 275-202 | Excel Enbeam OS2 Drop Cable Micromodule G.657.A2 4 mm 2 Core 9/125 Cca Black |

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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