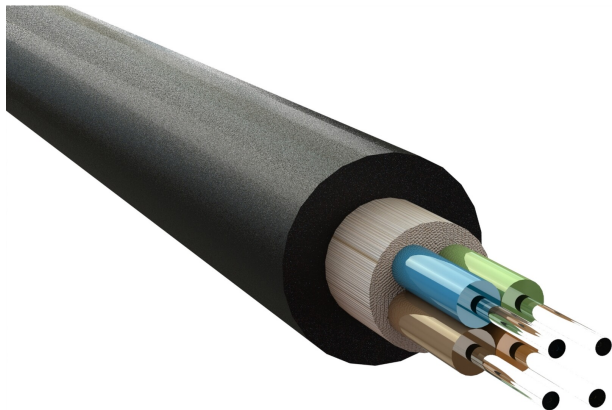


# Excel Enbeam OS2 Drop Cable Micromodule G.657.A2 4 mm 2 Core 9/125 Cca Black

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                |

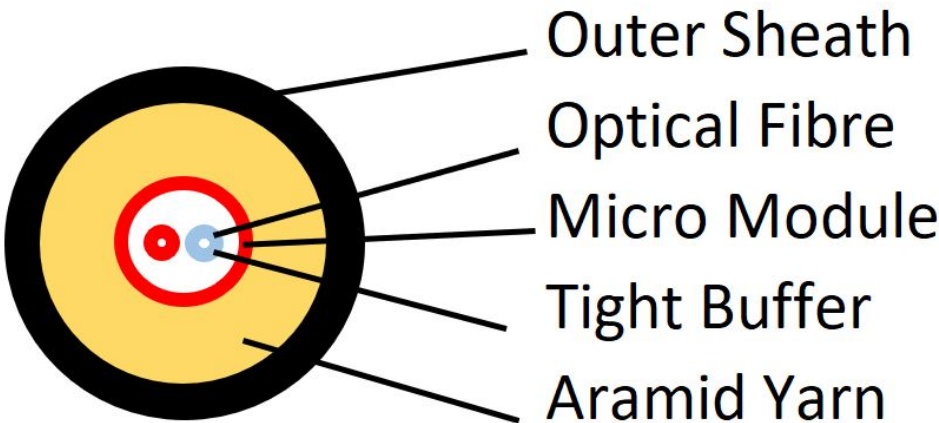
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|  |      |
|--|------|
| Euro class acidity according to EN 13501-6 | a2   |
| Outer diameter approx.                     | 4 mm |

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](mailto:sales@excel-networking.com)



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