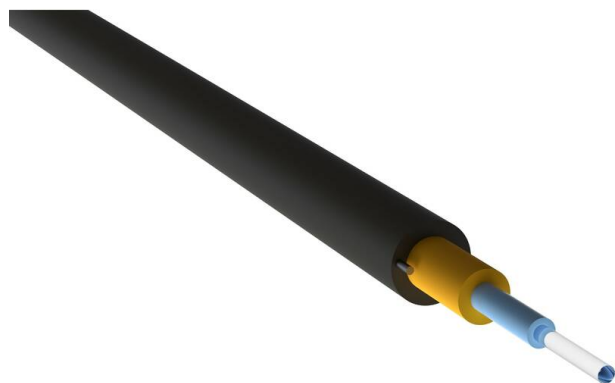


# Excel Enbeam OS2 Singlemode G.657.A2 External Drop Cable 1 Core 9/125 3 mm

Item Code: 207-600



✕ Suitable for external use

✕ G.657.A2

✕ LSZH

✕ UV-resistant

✕ Euroclass Fca

✕ PIA approved

## Product Overview

Enbeam 1 fibre drop cable has been designed for external installations aimed at the FTTH and multi dwelling market. The cable consists of 1 cores of 900 µm tight buffered single mode G.657.A2 fibre covered with water blocking aramid yarn with a LSZH UV-resistant outer sheath with 2x FRP rods.

## Product Specifications

| Feature  | Values            |
|--|-------------------|
| Number of Cores                                | 1                 |
| Fibre type                                     | Single mode 9/125 |
| Category                                       | OS2               |
| Rodent resistant                               | no                |
| Outer sheath colour                            | Black             |
| Low smoke (acc. IEC 61034-2)                   | yes               |
| Reaction-to-fire class according to EN 13501-6 | Fca               |
| Outer diameter approx.                         | 3 mm              |

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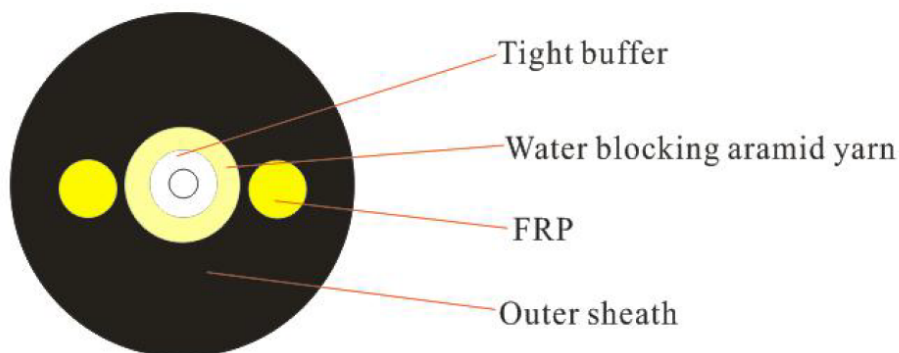
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## Additional specifications

| Features  |                | Values        |
|---|----------------|---------------|
| Attenuation   | 1310nm (dB/Km) | ≤0.33         |
|   | 1550nm (dB/Km) | ≤0.22         |
| Outer jacket material   |                | LSZH          |
| Outer jacket colour   |                | Black         |
| Outer jacket thickness (mm)   |                | 1±0.1mm       |
| Strength member   |                | 2 x FRP rods  |
| Micro bundle jacket material  |                | LSZH          |
| Short term tensile strenght   |                | >250N         |
| Minimum breaking tension  |                | <2000N        |
| Span distance   |                | >68m          |
| Short crush resistance (N/100mm)  |                | 1000N         |
| Minimum bend radius   |                | 20x OD        |
| Crush   |                | 500N          |
| Overall cable diameter  |                | 3mm           |
| Operating temprature  |                | -20 to +70 °C |
| Cable is suitable for use under 11Kv power with a minimum separation distance of 1.8m |                | Yes           |

### Product drawings



### Standards

| Applicable standard      | Detail   |
|--------------------------|--|
| 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  |
| EC 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   |
| EC 60793-1-22:2001       | Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement   |
| EC 60793-1-30:2010       | Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test   |
| TU G.652.D               | Characteristics of a single-mode optical fibre and cable   |
| EN 50173-1:2018          | Information technology. Generic cabling systems - General requirements   |

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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

SO/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

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  |
|-------------|--|
| 207-600     | Excel Enbeam OS2 Singlemode G.657.A2 External Drop Cable 1 Core 9/125 3 mm |

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