

✗ 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

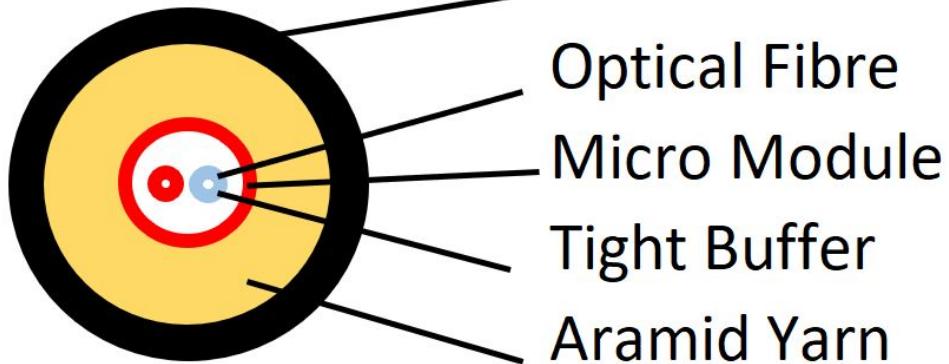
Euro class acidity according to EN 13501-6

a2

Outer diameter approx.

4 mm

#### Cross-section diagram



#### Fibre specifications

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

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

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)

E&OE. Excel is a registered trade name of Mayflex Holdings Ltd.

**excel**  
without compromise.