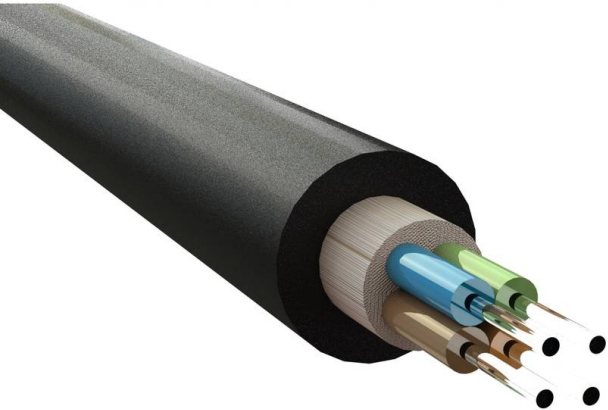


Excel Enbeam OS2 G.657.A2 Round FTTx Drop Cable Loose Tube 1 Core HDPE Fca Black

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- ✕ G.657.A2 Bend insensitive
- ✕ Duct grade - Crush resistant
- ✕ 1 to 2 core
- ✕ Recommended internal duct size - 5.5mm
- ✕ Euroclass Fca
- ✕ High Density Polyethylene (HDPE) outer jacket

Product Overview

Enbeam OS2 Singlemode G.657.A2 Round FTTx Drop Cable Loose Tube 1 Core 9/125 HDPE Fca Black, part of a huge range of OS2 fibre optic cables fully stocked at Mayflex.

The Enbeam external round drop cable has been designed for installation in underground duct systems or on external walls.

The cable is constructed using 1 to 2 fibres, overlaid with water blocking yarn then covered with a High Density Polyethylene (HDPE) outer jacket. This allows fibres to be installed into the FTTH/FTTB networks from 1 to 2 Fibre core counts.

Product Specifications

Feature	Values
Number of Cores	1
Type of tube	Tight
Number of fibres per tube	1
Fibre type	Single mode 9/125
Category	OS2
Outer sheath material	HDPE
Outer sheath colour	Black
Reaction-to-fire class according to EN 13501-6	Fca
Outer diameter approx.	4.8 mm

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## Additional specifications

Features		Values
Attenuation	@1310nm	≤0.4dB/km
	@1550nm	≤0.28dB/km
	additional	≤0.4dB/km
Cladding	diameter	125±0.7μm
	non-circularity	≤1%
Concentricity		≤0.5μm
Buffer diameter		0.9±0.05mm
Outer sheath thickness		1.2±0.1mm
Tension	short term	500N
	long term	350N
Crush	short term	1000N/100mm
	long term	300N/100mm
Impact		1 N.m
Repeat bending		R=20D, 40N, 100 cycles
Torsion		20 N,10 cycles, ±180°
Bending radius	short term	10D
	long term	20D
Temperature	installation	-15°C to 50°C
	operation	-40°C to 70°C
	storage	-40°C to 70°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 60754-2:2014+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

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	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.

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Cable Loose Tube 1 Core HDPE Fca Black

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Part Number Table

Part Number	Description
335-001	Excel Enbeam OS2 G.657.A2 Round FTTx Drop Cable Loose Tube 1 Core HDPE Fca Black
335-002	Excel Enbeam OS2 G.657.A2 Round FTTx Drop Cable Loose Tube 2 Core HDPE Fca 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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