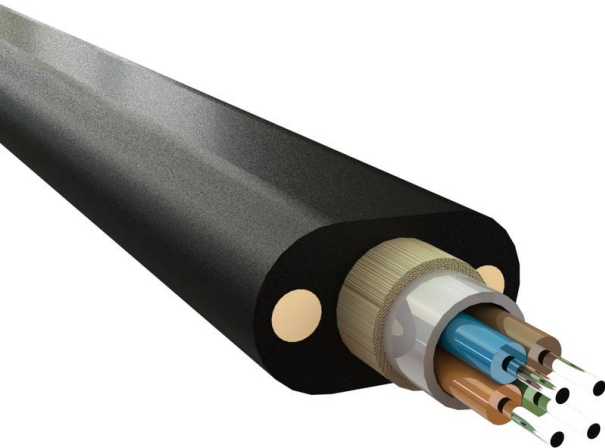


Excel Enbeam OS2 G.657.A2 Oval FTTx Drop Cable  
Loose Tube 1 Core HDPE Fca Black

Item Code: 334-001



- ✕ G.657.A2 Bend insensitive
- ✕ Duct grade - Crush resistant
- ✕ 1 to 2 core
- ✕ Recommended internal duct size - 10mm
- ✕ Euroclass Fca
- ✕ High Density Polyethylene (HDPE) outer jacket

Product Overview

Enbeam OS2 Singlemode G.657.A2 Oval 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 oval drop cable has been designed for installation in underground duct systems or direct burial.

The cable is constructed from a single gel filled loose tube, overlaid with water blocking yarn then covered with a High Density Polyethylene (HDPE) outer jacket containing 2 fibre reinforced plastic (FRP) strength members giving a high performance of tensile strength and crush resistance.

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	Loose tube
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

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## Additional specifications

Features		Values
Attenuation	@1310 nm	$\leq 0.4$ dB/km
	@1550 nm	$\leq 0.3$ dB/km
	additional	$\leq 0.1$ dB/km
Cladding	diameter	$125 \pm 0.7$ $\mu$ m
	non-circularity	$\leq 1\%$
Concentricity		$\leq 0.5$ $\mu$ m
Loose tube diameter		$3.0 \pm 0.2$ mm
Cable diameter		$(8.1 \pm 0.4) * (4.5 \pm 0.3)$ mm
Tension	short term	1320 N
	long term	400 N
Crush	short term	1000 N
	long term	300 N
Impact		2 N.m
Bending radius	short term	25H (short axial length)
	long term	50H (short axial length)
Temperature	installation	-10 °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

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	measurement) and conductivity
IEC 61034-2:2005+A2:2020	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.

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Part Number Table

Part Number	Description
334-001	Excel Enbeam OS2 G.657.A2 Oval FTTx Drop Cable Loose Tube 1 Core HDPE Fca Black
334-002	Excel Enbeam OS2 G.657.A2 Oval 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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