

Enbeam OS2 Single Mode G.657.A1 Loose Tube 4 Core with 2 x FRP Rods FCA Black



Part Code: 332-004

sales@excel-networking.com
excel-networking.com



Main Features

- / Duct grade
- / Sequential meter mark
- / Cut to length service
- / 25 year system warranty
- / Euroclass: Fca

Product Overview

Enbeam OS2 Single mode fibre optic cable loose tube 4 core HDPE black, is part of a huge range of fibre optic cables fully stocked at Mayflex. Excel OS2 loose tube optical fibre cables have been designed specifically for external applications.

These compact, lightweight cables are extremely flexible and are quick and easy to install. Including 2 x FRP rods enbeaded within the outer jacket offering a light weight overhaed cable solution.

Product Specifications

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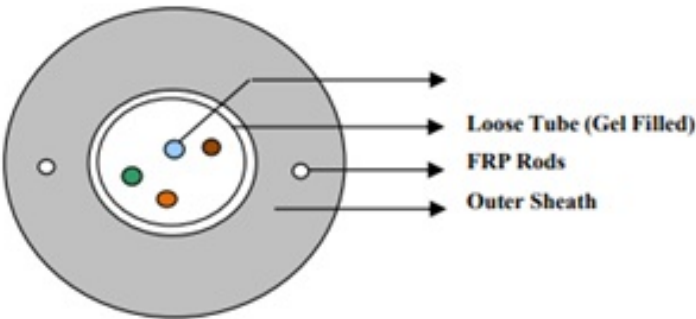
Feature	Values
Number of Cores	4
Type of tube	Loose tube
Number of fibres per tube	4
Fibre type	Single mode 9/125
Category	OS2
Outer sheath material	HDPE
Outer sheath colour	Black
Reaction-to-fire class according to EN 13501-6	Fca
Outer diameter approx.	5.8 mm

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Cross-section diagram



Additional specifications

Feature	Value
Tensile Strength	Short term 300 N
Crush Resistance	100 N/10 cm
Torsion	± 180
Impact Resistance	5 nm

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Temperature Performance	Installation
	-20°C to +70°C
	Operation
	-20°C to +70°C
	Storage
	-20°C to +70°C
Number of Loose Tubes	1
Loose Tube OD	2.1 ± 0.1 mm
Outer sheath thickness	1.8 mm
Attenuation	@1310 nm
	≤ 0.36 dB/km
	@1550 nm
	≤ 0.23 dB/km
Mode Field Dispersion	@1310 nm
	9.1 ± 0.4 μm
	@1550 nm
	10 ± 0.5 μm
Cut-off Wavelength	≤ 1260 nm
Minimum Bend Radius	20 x D

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Standards

Applicable standard	Detail
BS EN 60332-1-2:2004+A11:2016	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 60793-1-1:2022	Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance
IEC 60793-2:2015	Optical fibres - Part 2: Product specifications - General
IEC 60793-2-10:2017	Sectional specification for A1 multimode fibres
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
IEC 60793-1-31:2010	Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile Strength
ITU-T G.652:2016	Characteristics of a single-mode optical fibre and cable
ITU-T G.657:2016	Characteristics of a bending-loss insensitive single-mode optical fibre and cable
EN 50173-1:2018	Information technology. Generic cabling systems - General requirements
EN 50173-2:2007 + A1:2010	Information technology. Generic cabling systems - Office premises
IEC 61754-1:2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance

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IEC 61754-2:1996	Fibre optic connector interfaces - Part 2: Type BFOC/2,5 connector family
ISO/IEC 11801-1:2017	Information technology - Generic cabling for customer premises: Part 1 General Requirements
Directive 2008/98/EC (WFD)	Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988).
ECHA SCIP Database	Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH.
Regulation (EU) 2019/1021 (POPs)	EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355).
Directive 2011/65/EU (RoHS II)	Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states).
Directive (EU) 2015/863 (RoHS III)	Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant.
UK SI 2012 No. 3032	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019.

Part Code Table

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