Excel Enbeam OS2 FTTx Drop Cable Tight Buffered 1 Core Cca White

Part Code: 205-333

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



Main Features

/ Suitable for Internal use only

/ LSZH

/ G.657.A2

/ Euro class Cca s1,d1,a1

Product Overview

Enbeam OS2 singlemode FTTx drop cable tight buffered 1 Core 9/125 Cca white, part of a huge range of OS2 Fibre optic cables fully stocked at Mayflex. Enbeam tight-buffered from 1 to 4-core mini breakout/drop cable is designed for indoor FTTx applications.

The very small diameter, high strength and CPR compliance to Cca, coupled with bend-insensitive fibres makes this cable ideal for behind-the-wall installations in any FTTx or PON network, especially where space is tight.

The cable can be supplied on reels or pre-cut lengths as well as pre-terminated on one end into an outlet box.

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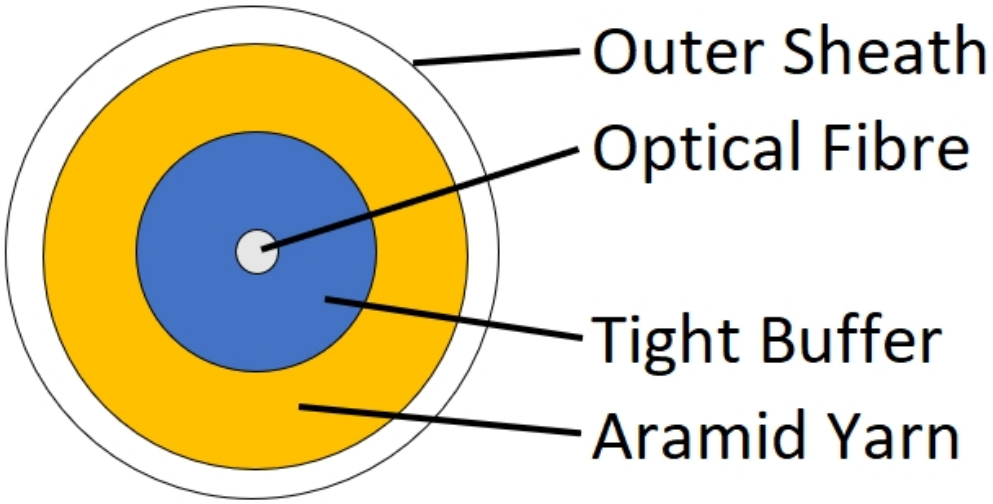
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Product Specifications

Feature	Values
Number of Cores	**1**
Type of tube	**Tight**
Number of fibres per tube	**1**
Fibre type	**Single mode 9/125**
Category	**OS2**
Rodent resistant	**no**
Outer sheath colour	**White**
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	**s1b**
Euro class flaming droplets/particles according to EN 13501-6	**d1**
Euro class acidity according to EN 13501-6	**a1**
Outer diameter approx.	**3 mm**
RAL-number	**9010**

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Cross-section diagram



Fibre specifications

Features		Values
Attenuation	**@1310nm (dB/KM)**	**≤0.4**
	@1550nm (dB/KM)	**≤0.3**

Strength member

Fibers color	Blue
Tight buffer material	**LSZH**
Tight buffer diameter (mm)	**0.85±0.05**
Outer jacket colour	**White**
Outer jacket material	**LSZH**
Outer jacket thickness (mm)	**0.45±0.05**

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Short term tensile strength	**500N**
Minimum breaking tension	**1200N**
Cable diameter	**3mm**
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 60754-2:2014+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 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

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	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
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.
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).
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.

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Part Code Table

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