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

Item Code: 205-333

- Suitable for Internal use only
- G.657.A2
- LSZH
- 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.

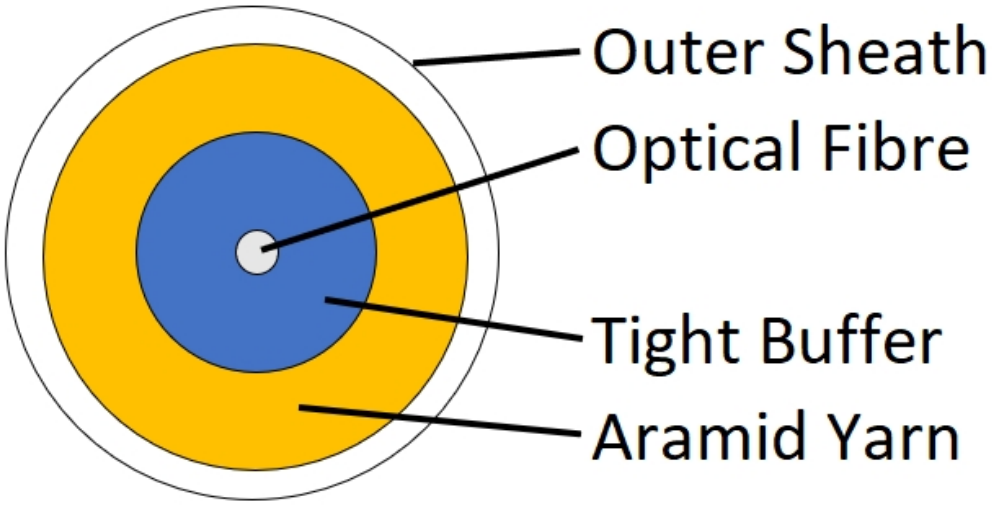
The cable can be supplied on reels or pre-cut lengths as well as pre-terminated on one end into an outlet box.

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

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
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 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

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