

# Excel Enbeam OS2 Singlemode FTTx Drop Cable Tight Buffered 4 Core 9/125 Cca White

Item Code: 205-331



✕ G.657.A2 Bend Insensitive

✕ Small Diameter Pre-terminated options

✕ Ideal for FTTx/PON Applications

✕ 250 micron fibre

✕ Euroclass Cca-s1b-d0-a1

✕ 25 Year system warranty

## Product Overview

Enbeam OS2 Singlemode FTTx Drop Cable Tight Buffered 4 Core 9/125 Cca White, part of a huge range of OS2 fibre optic cables fully stocked at Mayflex.

Enbeam tight-buffered from 2 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	4
Type of tube	Tight
Number of fibres per tube	4
Fibre type	Single mode 9/125
Category	OS2
Armouring	no
Rodent resistant	yes
Outer sheath colour	White
Longitudinal water blocking cable	no

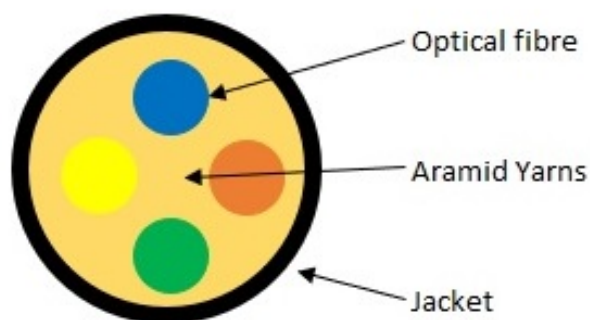
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Reaction-to-fire class according to EN 13501-6	Cca
Smoke development class according to EN 13501-6	s1b
Euro class flaming droplets/particles according to EN 13501-6	d0
Euro class acidity according to EN 13501-6	a1
Halogen free (acc. EN 60754-1/2)	yes
Flame retardant	In accordance with EN 50399
Low smoke (acc. BS EN 61034-2)	yes
Outer diameter approx.	3 mm
RAL-number	9010

## Cross-section diagram



## Fibre specifications

Features		Values
Attenuation	@1310nm (dB/KM)	≤0.35
	@1383nm (dB/KM)	≤0.35
	@1490nm (dB/KM)	≤0.24
	@1550nm (dB/KM)	≤0.20
	@1625nm (dB/KM)	≤0.23
Fibre Core (um)		8.2
Core Non-Circularity		≤ 0.7%
Core-Clad Concentricity (um)		≤ 0.5
Cladding Diameter (um)		125.0±0.7

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Cladding Non-Circularity	≤ 1.0%
Coating Diameter (um)	242±5
Coating-Clad Concentricity Error (um)	≤ 12
Jacket Material : LSFRZH	LSFRZH
Strength member	Aramid yarn
1-4 Fibers Color	Blue, Orange, Green, Brown
Numerical aperture	0.14

## 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 60793-1-1:2017	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.

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	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	Restriction of Hazardous Substances - Compliant
WFD	Compliant to Waste Framework Directive
SCIP	Compliant - Does Not Contain Substances of Concern in Products

## Part Number Table

Part Number	Description
205-331	Excel Enbeam OS2 Singlemode FTTx Drop Cable Tight Buffered 4 Core 9/125 Cca White
205-332	Excel Enbeam OS2 Singlemode FTTx Drop Cable Tight Buffered 2 Core 9/125 Cca White

Excel is a world class premium performing end to end infrastructure solution designed, Manufactured, supported and delivered without compromise.

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