Excel Enbeam OS2 Drop Cable Tight Buffered G.657.A2 4mm 2 Core 9/125 Cca White

Item Code: 275-102

- Suitable for internal
- G.657.A2
- LSZH
- Euro class Cca-s1,d1,a1

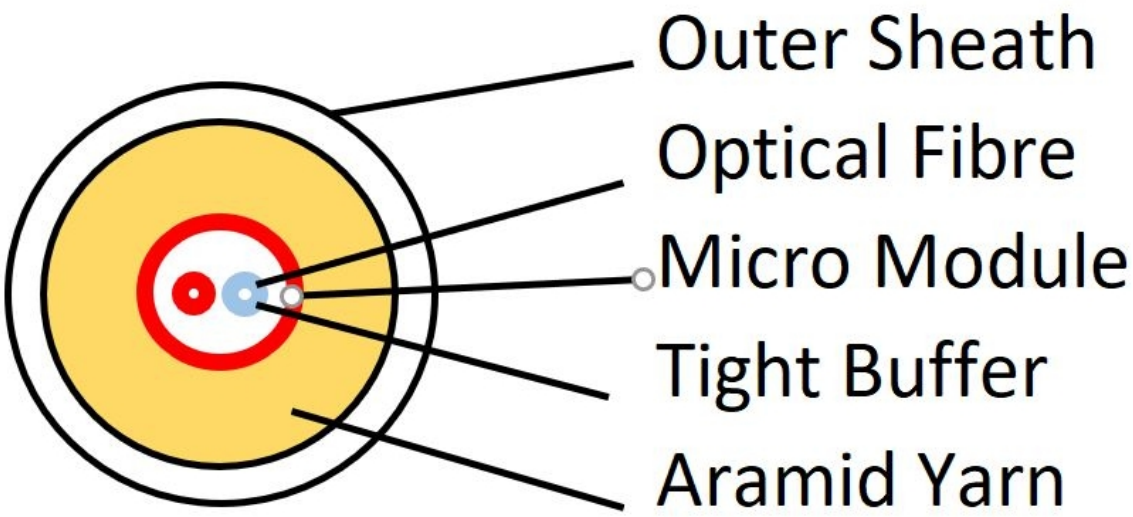
Product Overview

Enbeam 2 fibre drop cable has been designed for internal installations aimed at the FTTH and multi dwelling market. The cable consists of a single core 900um tight buffer single mode G.657.A2 fibre surrounded by a micro module and aramid yarn as a strength member covered with a white LSZH outer sheath.

Product Specifications

Feature	Values
Number of Cores	2
Type of tube	Tight
Fibre type	Single mode 9/125
Category	OS2
Rodent resistant	no
Outer sheath colour	White
Flame retardant according to IEC 60332-1-2	yes
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	s1a
Euro class flaming droplets/particles according to EN 13501-6	d1
Euro class acidity according to EN 13501-6	a2
Outer diameter approx.	4 mm

Cross-section diagram



Fibre specifications

Features		Values
Attenuation	@1310nm (dB/KM)	≤0.4
	@1550nm (dB/KM)	≤0.3
Outer jacket material		LSZH
Outer jacket colour		White
Outer jacket thickness (mm)		0.6±0.05
Strength member		Aramid yarn
Fibers colour		Red/Blue
Tight buffer material		LSZH
Tight buffer diameter (mm)		0.9±0.05
Micro bundle colour		Red
Micro bundle jacket material		LSZH
Short term tensile strenght		500N
Minimum breaking tension		1200N
Short crush resistance (N/100 mm)		1000
Overall cable diameter		4mm
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 60754-2:2011	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 61034-2:2005+A1:2013	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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