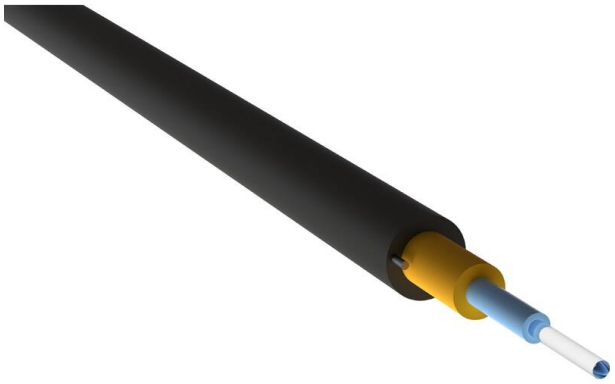
Excel Enbeam OS2 Singlemode G.657.A2 External Drop Cable 1 Core 9/125 3 mm

Item Code: 207-600



- Suitable for external use
- G.657.A2
- LSZH
- UV-resistant
- Euroclass Fca
- PIA approved

Product Overview

Enbeam 1 fibre drop cable has been designed for external installations aimed at the FTTH and multi dwelling market.
The cable consists of 1 cores of 900 µm tight buffered single mode G.657.A2 fibre covered with water blocking aramid yarn with a LSZH UV-resistant outer sheath with 2x FRP rods.

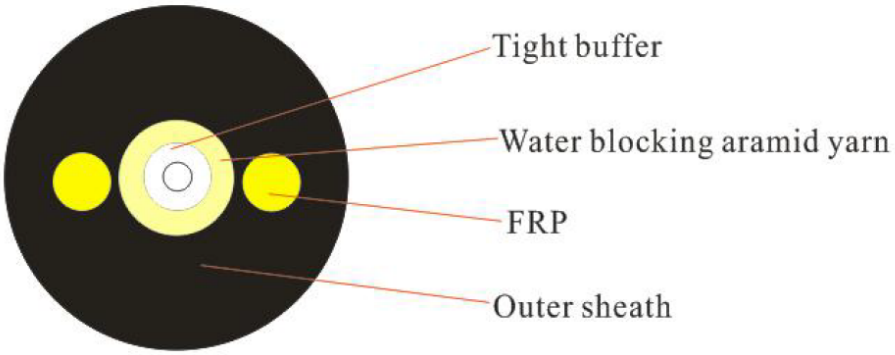
Product Specifications

Feature	Values
Number of Cores	1
Fibre type	Single mode 9/125
Category	OS2
Rodent resistant	no
Outer sheath colour	Black
Low smoke (acc. IEC 61034-2)	yes
Reaction-to-fire class according to EN 13501-6	Fca
Outer diameter approx.	3 mm

Additional specifications

Features		Values
Attenuation	1310nm (dB/Km)	≤0.33
	1550nm (dB/Km)	≤0.22
Outer jacket material		LSZH
Outer jacket colour		Black
Outer jacket thickness (mm)		1±0.1mm
Strength member		2 x FRP rods
Micro bundle jacket material		LSZH
Short term tensile strenght		>250N
Minimum breaking tension		<2000N
Span distance		>68m
Short crush resistance (N/100mm)		1000N
Minimum bend radius		20x OD
Crush		500N
Overall cable diameter		3mm
Operating temprature		-20 to +70 °C
Cable is suitable for use under 11Kv power with a minimum separation distance of 1.8m		Yes

Product drawings



Standards

Applicable standard	Detail
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
EC 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
EC 60793-1-22:2001	Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement
EC 60793-1-30:2010	Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test
TU 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
SO/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

Part Number	Description
207-600	Excel Enbeam OS2 Singlemode G.657.A2 External Drop Cable 1 Core 9/125 3 mm