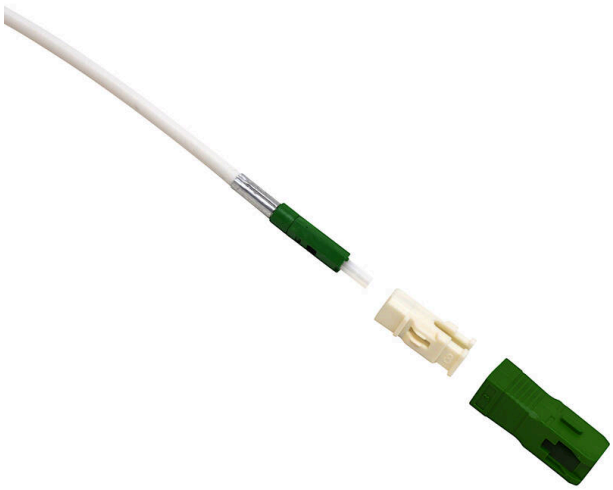
Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 20 m

Item Code: 207-210-20



- Suitable for internal use only
- G.657.A2
- Pre-Terminated SC/APC ferrules
- LSZH
- Euroclass Cca-s1,d1,a1
- Other lengths available on request

Product Overview

The Excel Encasa pre-terminated ferrule only drop cables have been designed for speed and ease of installation aimed at the FTTH and multi dwelling market.
The cable consists of a single core 900 µm tight buffer single mode G.657.A2 fibre surrounded by aramid yarn as a strength member covered with a white LSZH outer sheath available in LCA and SCA.

This unique design allows cables to be pushed down short runs of micro duct or installed onto tray work with the ferrule already terminated to the cable allowing smaller holes to be drilled through walls and cable to be passed through smaller enclosure entry ports.

The final termination is then a simple housing that is clicked into position removing the need for fusion splicing.

Product Specifications

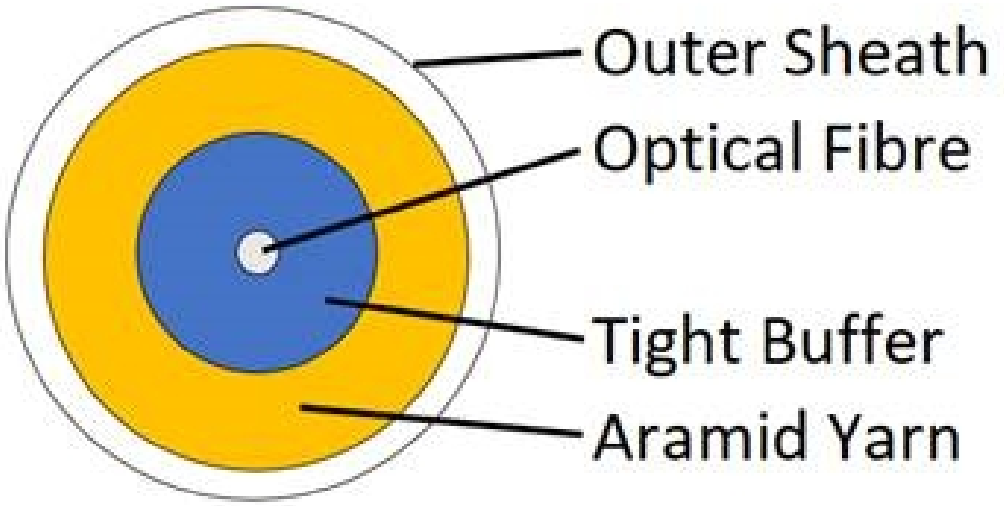
Feature	Values
Number of Cores	1
Type of tube	Tight
Fibre type	Single mode 9/125
Category	OS2
Rodent resistant	no
Outer sheath colour	White
Low smoke (acc. IEC 61034-2)	yes
Reaction-to-fire class according to EN 13501-6	Cca
Smoke development class according to EN 13501-6	s1b
Euro class flaming droplets/particles according to EN	d1

13501-6	
Euro class acidity according to EN 13501-6	a1
Outer diameter approx.	3 mm
RAL-number	9010

Additional specifications

Features		Values
Attenuation	@1310nm (dB/KM)	≤0.4
	@1550nm (dB/KM)	≤0.3
Strength member		Aramid yarn
Fibre 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 strenght		500 N
Minimum breaking tension		1200 N
Cable diameter		3 mm
Operating temperature		-20 to +65 °C

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 60754-2:2014+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

Part Number	Description
207-210-05	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 5 m
207-210-10	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 10 m
207-210-15	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 15 m
207-210-20	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 20 m
207-210-25	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 25 m
207-210-30	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 30 m
207-210-35	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule

	Both Ends 25 m
207-210-40	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 40 m
207-210-45	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 45 m
207-210-50	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 50 m
207-210-55	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 55 m
207-210-60	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 60 m
207-210-65	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 65 m
207-210-70	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 70 m
207-210-75	Excel Encasa OS2 SM G.657.A2 Internal Drop Cable 1 Core 9/125 SCA Ferrule Both Ends 75 m