

Excel Encasa OS2 SM G.657.B3 Int/Ext Dual Jacket Drop Cable 1 Core 9/125 SCA Ferrules 20 m

Item Code: 207-303-20

excel
without compromise.



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Cable Intelligence 

✕ Suitable for internal/external use

✕ G.657.B3

✕ LSZH

✕ UV-Resistant

✕ Euro class Cca-s1,d1,a1 (Internal core)

✕ PIA Approved

Product Overview

The Excel Encasa dual jacket 1 fibre drop cable has been designed for the FTTX market, the cable is designed to allow the transition between internal and external applications without changing cable types, reducing the need to splice.

The cable has an internal grade 3 mm tight buffer G.657.B3 fibre covered with additional Aramid yarn and two rip cords this is then covered with a LSZH UV-Resistant outer jacket.

The outer jacket can then be stripped back to reveal the internal grade cable to the required length for installation into the building, these cables can be pre-terminated with standard connectors, our new pre-terminated ferrule connection or left as an open ended, saving time and money on site as no external transition/splice enclosure is required.

Product Specifications

Feature	Values
Number of Cores	1
Type of tube	Tight
Fibre type	Single mode 9/125
Category	OS2
Armouring	no
Rodent resistant	no
Outer sheath colour	Black
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

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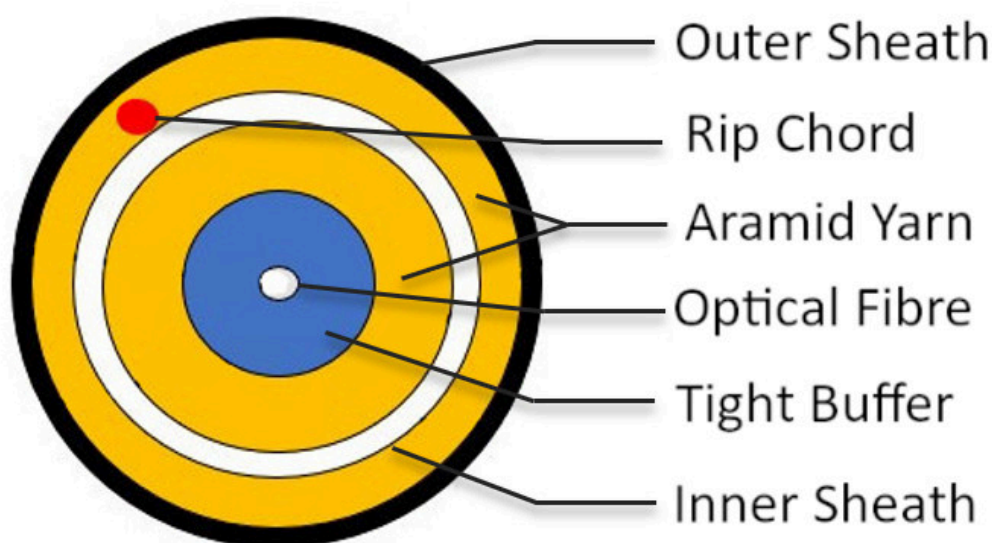


Euro class acidity according to EN 13501-6	a1
Halogen free (acc. EN 60754-1/2)	yes
Flame retardant	In accordance with EN 50399
Low smoke (acc. BS EN 61034-2)	yes
Outer diameter approx.	4.5 mm

Additional specifications

Features	Values
Attenuation @1310nm (dB/KM)	≤0.4
Attenuation @1550nm (dB/KM)	≤0.3
Outer jacket material	LSZH-UV
Outer jacket colour	Black
Outer jacket thickness (mm)	0.6 ± 0.05
Strength member	Aramid yarn
Fibers color	Blue
Tight buffer material	LSZH
Tight buffer diameter (mm)	0.85 ± 0.05
Inner jacket colour	White
Inner jacket material	LSZH
Inner jacket thickness (mm)	0.45 ± 0.05
Inner cable diameter (mm)	3.0 ± 0.2
Short term tensile strength	650 N
Minimum breaking tension	1500 N
Short crush resistance (N/100 mm)	1000
Overall cable diameter	4.5 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 60793-1-1:2017	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

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

Part Number Table

Part Number	Description
207-303-05	Excel Encasa OS2 SM G.657.B3 Int/Ext Dual Jacket Drop Cable 1 Core 9/125 SCA Ferrules 5 m
207-303-10	Excel Encasa OS2 SM G.657.B3 Int/Ext Dual Jacket Drop Cable 1 Core 9/125 SCA Ferrules 10 m
207-303-20	Excel Encasa OS2 SM G.657.B3 Int/Ext Dual Jacket Drop Cable 1 Core 9/125 SCA Ferrules 20 m
207-303-30	Excel Encasa OS2 SM G.657.B3 Int/Ext Dual Jacket Drop Cable 1 Core 9/125 SCA Ferrules 30 m
207-303-40	Excel Encasa OS2 SM G.657.B3 Int/Ext Dual Jacket Drop Cable 1 Core 9/125 SCA Ferrules 40 m
207-303-50	Excel Encasa OS2 SM G.657.B3 Int/Ext Dual Jacket Drop Cable 1 Core 9/125

Excel Encasa OS2 SM G.657.B3 Int/Ext Dual Jacket
Drop Cable 1 Core 9/125 SCA Ferrules 20 m

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SCA Ferrules 50 m

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

Contact us at websales@cableintelligence.co.uk



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