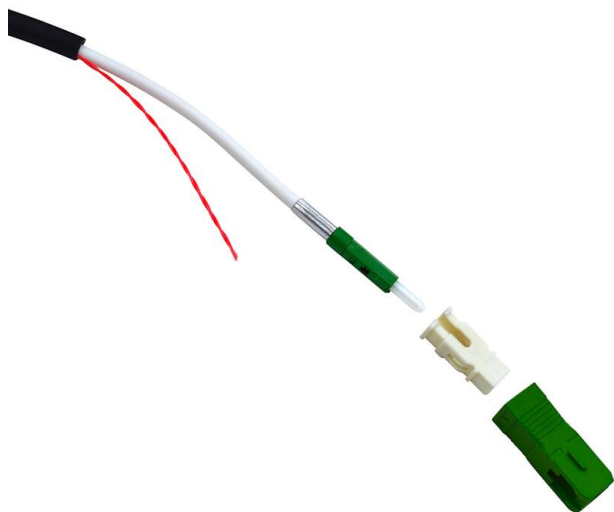


Excel Encasa OS2 SM G.657.B3 Int/Ext Dual Jacket Drop Cable 1 Core 9/125 SCA Ferrules 20 m

Item Code: 207-303-20



✕ 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 |
| Rodent resistant | no |
| Outer sheath colour | Black |
| 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 13501-6 | d1 |

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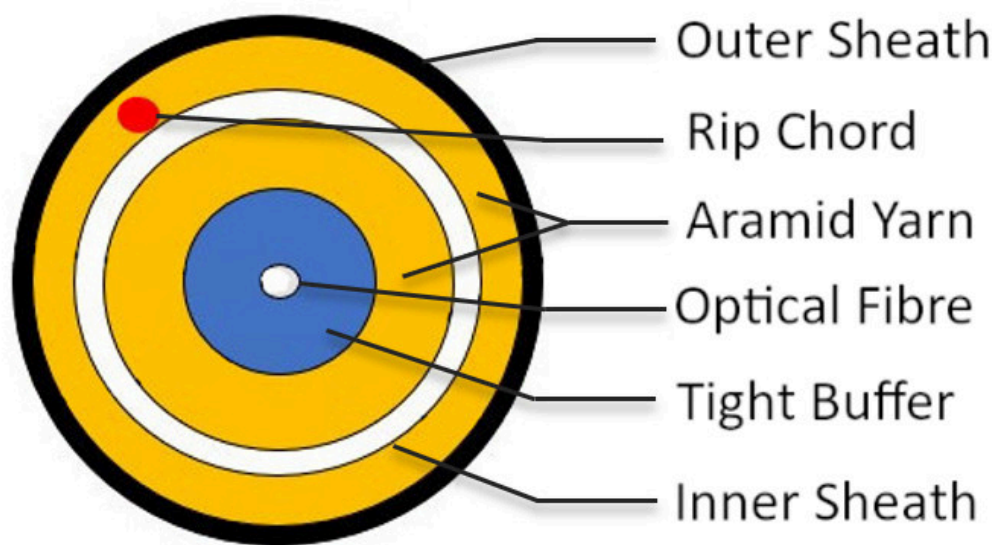


| | |
|--|--------|
| Euro class acidity according to EN 13501-6 | a1 |
| Outer diameter approx. | 4.5 mm |

Additional specifications

| Features | | Values |
|-----------------------------------|-----------------|---------------|
| Attenuation | @1310nm (dB/KM) | ≤0.4 |
| | @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 strenght | | 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 60793-1-1:2022 | 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 |

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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-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 |
|-------------|--|
| 207-303-05 | 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 |

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 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 SCA Ferrules 50 m |

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