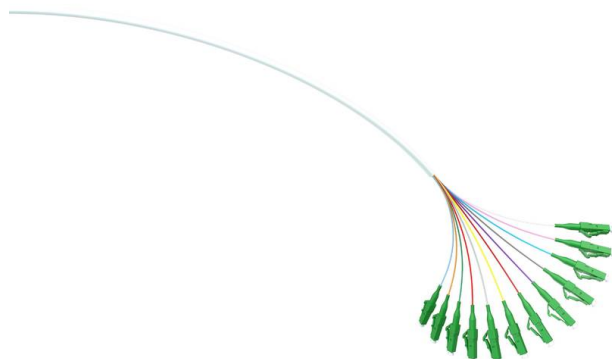


# Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 100 m

Item Code: 207-102-100



✕ Suitable for internal use

✕ G.657.B3

✕ LSZH

✕ Euro class Cca-s1b,d0,a1

## Product Overview

The Excel Encasa 8 fibre corridor cable has been designed for multi dwelling applications, the cable is constructed with 8 colour coded 900 µm tight buffered fibres, covered with a flame retardant, low smoke zero halogen, outer sheath.

The cable is designed in such a way that it allows mid span window cuts to be made to enable the installer to pull out a single fibre to feed the apartment or room being passed.

This cable can be installed along corridors with or without ceiling voids using adhesive if required.

## Product Specifications

| Feature   | Values                          |
|---|---------------------------------|
| Number of Cores   | 8                               |
| Type of tube  | Tight                           |
| Fibre type  | Single mode 9/125               |
| Category  | OS2                             |
| Rodent resistant  | no                              |
| Outer sheath material   | Copolymer, thermoplastic (LS0H) |
| 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 13501-6 | d0                              |

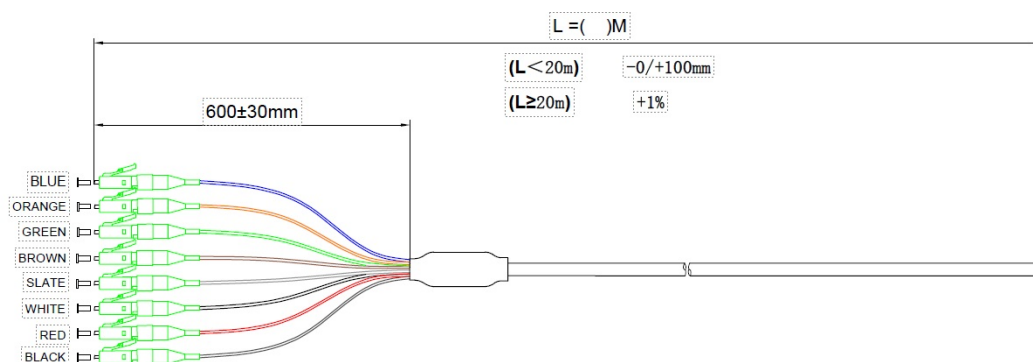
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|  |      |
|--|------|
| Euro class acidity according to EN 13501-6 | a1   |
| Outer diameter approx.                     | 2 mm |

## Cross-section diagram



## Fibre specifications

| Features  |            | Values        |
|---|------------|---------------|
| Insertion loss                                    | @1310 nm   | ≤0.3 dB       |
| Return loss                                       | @1310 nm   | > 65 dB       |
| Maximum tensile strength (N)                      | Short term | 160           |
|   | Long term  | 80            |
| Minimum bend radius mm                            | Dynamic    | 20 x diameter |
|   | Static     | 10 x diameter |
| Maximum crush resistance (N/100 mm <sup>2</sup> ) | Short term | 500           |
|   | Long term  | 100           |
| Maximum attenuation                               | @1310 nm   | ≤0.35 dB      |
|   | @1550 nm   | ≤0.21 dB      |
| Durability:                                       |            | 500 matings   |
| Fibre type  |            | G.657.B3      |
| Outer jacket material                             |            | LSZH          |
| Outer diameter                                    |            | 2 mm          |
| Operational temperature                           |            | -20 to +70°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   |
| 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  |

# Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 100 m

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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  |
|-------------|--|
| 207-102-100 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 100 m |
| 207-102-30  | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 30 m  |
| 207-102-40  | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 40 m  |
| 207-102-50  | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 50 m  |
| 207-102-60  | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 60 m  |
| 207-102-70  | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 70 m  |
| 207-102-75  | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 75 m  |

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

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