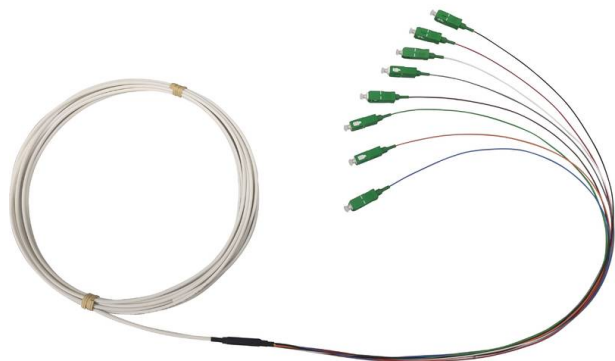


Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 SCA to Open Ended 50 m

Item Code: 207-103-50

excel
without compromise.



✕ 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 |

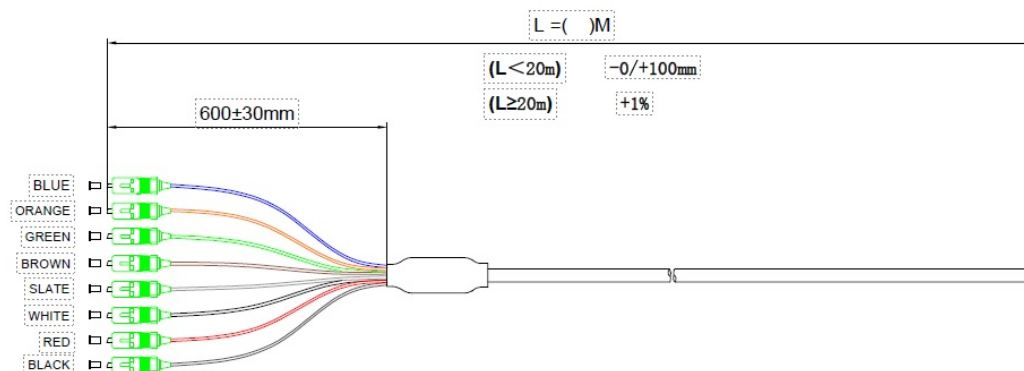
Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 SCA to Open Ended 50 m

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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 ²) | 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 SCA to Open Ended 50 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 |
|-------------|--|
| 207-103-100 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 SCA to Open Ended 100 m |
| 207-103-30 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 SCA to Open Ended 30 m |
| 207-103-40 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 SCA to Open Ended 40 m |
| 207-103-50 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 SCA to Open Ended 50 m |
| 207-103-60 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 SCA to Open Ended 60 m |
| 207-103-70 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 SCA to Open Ended 70 m |
| 207-103-75 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 SCA to Open Ended 75 m |

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

Contact us at sales@excel-networking.com



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