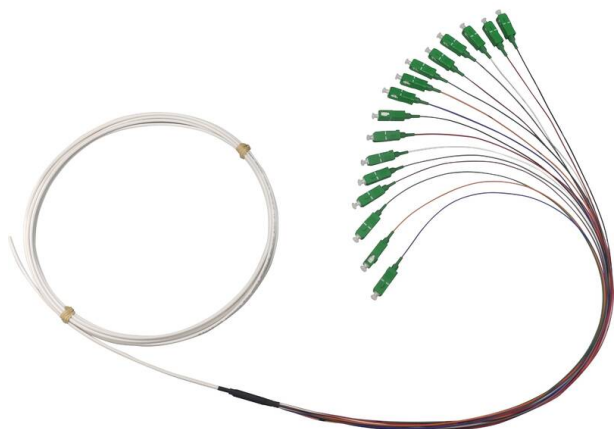


Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 SCA to Open Ended 70 m

Item Code: 207-104-70

excel
without compromise.



✕ Suitable for internal use

✕ G.657.B3

✕ LSZH

✕ Euro class Cca-s1b,d0,a1

Product Overview

The Excel Encasa 16 fibre corridor cable has been designed for multi dwelling applications, the cable is constructed with 16 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 | 16 |
| 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 |

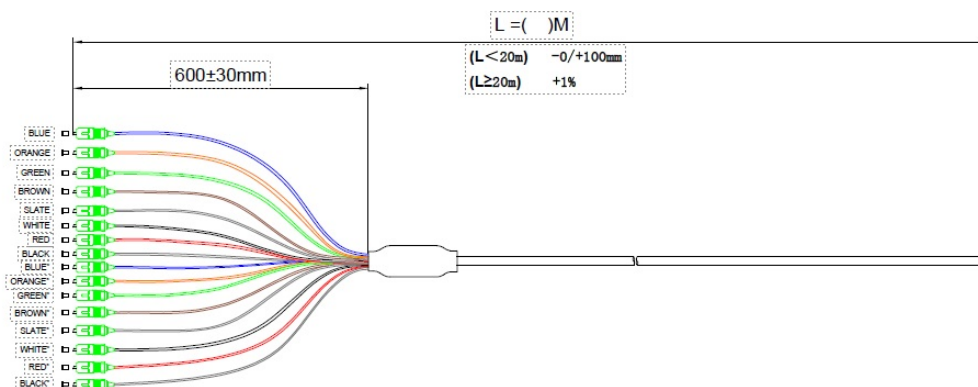
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| | |
|--|------|
| Euro class acidity according to EN 13501-6 | a1 |
| Outer diameter approx. | 2 mm |

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 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 16 Core 9/125 SCA to Open Ended 70 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 |
|-------------|---|
| 207-104-100 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 SCA to Open Ended 100 m |
| 207-104-30 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 SCA to Open Ended 30 m |
| 207-104-40 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 SCA to Open Ended 40 m |
| 207-104-50 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 SCA to Open Ended 50 m |
| 207-104-60 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 SCA to Open Ended 60 m |
| 207-104-70 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 SCA to Open Ended 70 m |
| 207-104-75 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 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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