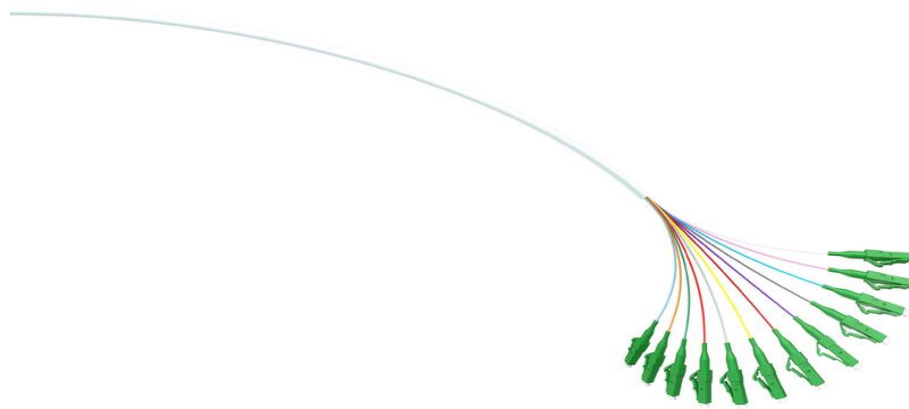


# Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 LCA to Open Ended 100 m

Part Code: 207-105-100

sales@excel-networking.com  
excel-networking.com



## Main Features

/ Suitable for internal use

/ G.657.B3

/ LSZH

/ Euroclass 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  $\mu\text{m}$  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.

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## Product Specifications

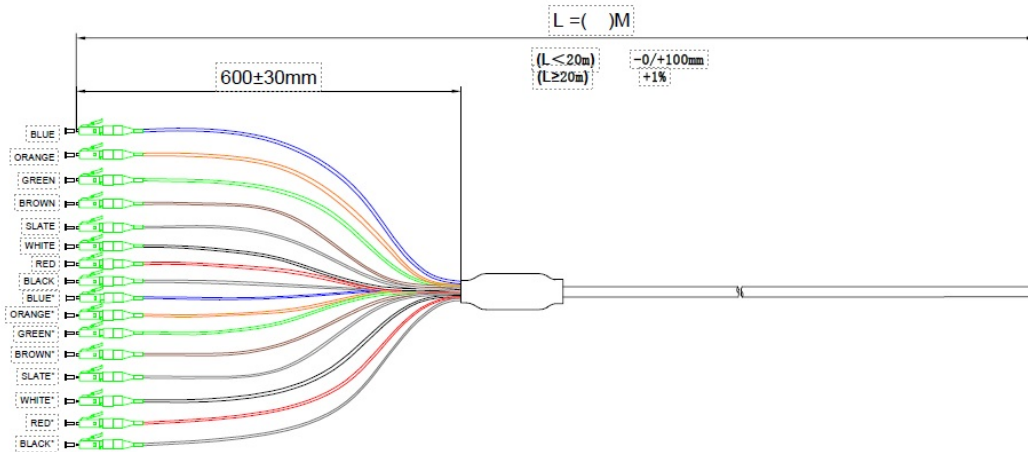
| Feature   | Values                                 |
|---|--|
| Number of Cores   | <b>16</b>                              |
| Type of tube  | <b>Tight</b>                           |
| Fibre type  | <b>Single mode 9/125</b>               |
| Category  | <b>OS2</b>                             |
| Rodent resistant  | <b>no</b>                              |
| Outer sheath material   | <b>Copolymer, thermoplastic (LSOH)</b> |
| Outer sheath colour   | <b>White</b>                           |
| Low smoke (acc. IEC 61034-2)                                  | <b>yes</b>                             |
| Reaction-to-fire class according to EN 13501-6                | <b>Cca</b>                             |
| Smoke development class according to EN 13501-6               | <b>s1b</b>                             |
| Euro class flaming droplets/particles according to EN 13501-6 | <b>d0</b>                              |
| Euro class acidity according to EN 13501-6                    | <b>a1</b>                              |
| Outer diameter approx.  | <b>2 mm</b>                            |

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## Cross-section diagram



## Fibre specifications

| Features  |            | Values         |
|---|------------|----------------|
| Insertion loss                                    | @1310 nm   | $\leq 0.3$ 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   | $\leq 0.35$ dB |
|   | @1550 nm   | $\leq 0.21$ dB |
| Durability:                                       |            | 500 matings    |

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|                         |                     |
|-------------------------|---------------------|
| Fibre type              | <b>G.657.B3</b>     |
| Outer jacket material   | <b>LSZH</b>         |
| Outer diameter          | <b>2 mm</b>         |
| Operational temperature | <b>-20 to +70°C</b> |

## 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  |

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|                                    | 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  |
| Directive 2011/65/EU (RoHS II)     | Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states).   |
| Directive (EU) 2015/863 (RoHS III) | Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant.   |
| Directive 2008/98/EC (WFD)         | Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988).   |
| ECHA SCIP Database                 | Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH.  |
| Regulation (EU) 2019/1021 (POPs)   | EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355).   |
| UK SI 2012 No. 3032                | The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019. |

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## Part Code Table

| Part Code   | Description   |
|-------------|---|
| 207-105-100 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 LCA to Open Ended 100 m |
| 207-105-30  | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 LCA to Open Ended 30 m  |
| 207-105-40  | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 LCA to Open Ended 40 m  |
| 207-105-50  | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 LCA to Open Ended 50 m  |
| 207-105-60  | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 LCA to Open Ended 60 m  |
| 207-105-70  | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 LCA to Open Ended 70 m  |
| 207-105-75  | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 LCA to Open Ended 75 m  |