## Suitable for internal use

## G.657.B3

## LSZH

## Euro class Cca-s1b,d0,a1

## Product Overview

The Excel Encasa 12 fibre corridor cable has been designed for multi dwelling applications, the cable is constructed with 12 colour coded $900 \mu \mathrm{~m}$ tight buffered fibres, covered with a flame retardant, low smoke zero halogen, outer sheath.

The cable is designed is 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 with out celling voids using adhesive if required.
Product Specifications

| Feature | Values |
| :--- | :--- |
| Number of Cores | 12 |
| Type of tube | Tight |
| Fibre type | Single mode 9/125 |
| Category | OS2 |
| Rodent resistant | no |
| Outer sheath material | Copolymer, thermoplastic (LSOH) |
| 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 | d0 |
| 13501-6 |  |

## Cross-section diagram



## Fibre specifications

| Features |  | Values |
| :---: | :---: | :---: |
| Insertion loss | @1310 nm | $\leq 0.3 \mathrm{~dB}$ |
| Return loss | @1310 nm | $>65 \mathrm{~dB}$ |
| Maximum tensile strength ( N ) | Short term | 160 |
|  | Long term | 80 |
| Minimum bend radius mm | Dynamic | $20 \times$ diameter |
|  | Static | $10 \times$ diameter |
| Maximum cruish resistance (N/100 mm 2 ) | Short term | 500 |
|  | Long term | 100 |
| Maximum attenuation | @1310 nm | $\leq 0.35 \mathrm{~dB}$ |
|  | @1550 nm | $\leq 0.21 \mathrm{~dB}$ |
| Durability: |  | 500 matings |
| Fibre type |  | G.657.B3 |
| Outer jacket material |  | LSZH |
| Outer diameter |  | 2 mm |
| Operational temperature |  | -20 to $+70^{\circ} \mathrm{C}$ |

Item Code: 207-101-40

## Standards

Applicable standard
IEC 60332-1-2:2004
IEC 60754-2:2011
IEC 61034-2:2005+A1:2013

EC 60793-1-1:2022

IEC 60793-1-20:2014

IEC 60793-1-21:2001

EC 60793-1-22:2001

EC 60793-1-30:2010

TU G.652.D
EN 50173-1:2018

EN 50575: 2014 + A1: 2016

EN 50399:2011+A1:2016

SO/IEC 11801-1:2017

## ANSI/TIA 568-3.D

ANSI/TIA/EIA 598-D
RoHS-II/-III (2011/65/EU \& 2015/863): 2023

WFD: 2023

## Subject

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

Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity

Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements

Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance

Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry

Optical fibres - Part 1-21: Measurement methods and test procedures - Coating geometry

Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement

Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test

Characteristics of a single-mode optical fibre and cable
Information technology. Generic cabling systems General requirements

Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements

Common test methods for cables under fire conditions. Heat release and smoke production measurement on cables during flame spread test. Test apparatus, procedures, results

Information technology - Generic cabling for customer premises: Part 1 General Requirements

Optical Fiber Cabling and Components Standard
Optical Fibre Cable Colour Coding
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).

Compliant to Waste Framework Directive

SCIP: 2023

POPs (EU) No 2019/1021

Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)

EU Regulation for the restriction of Persistent Organic Pollutants.

## Part Number Table

| Part Number | Description |
| :---: | :---: |
| 207-101-100 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 LCA to Open Ended 100 m |
| 207-101-30 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 LCA to Open Ended 30 m |
| 207-101-40 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 LCA to Open Ended 40 m |
| 207-101-50 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 LCA to Open Ended 50 m |
| 207-101-60 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 LCA to Open Ended 60 m |
| 207-101-70 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 LCA to Open Ended 70 m |
| 207-101-75 | Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 LCA to Open Ended 75 m |

