Item Code: 207-101-50





### **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 µm 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 (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

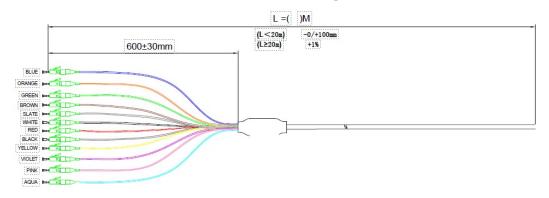
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Euro class acidity according to EN 13501-6 a1

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 cruish resistance (N/100 mm2)	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

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### **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

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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
207-101-100	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

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

E&OE. Excel is a registered trade name of Mayflex Holdings Ltd.