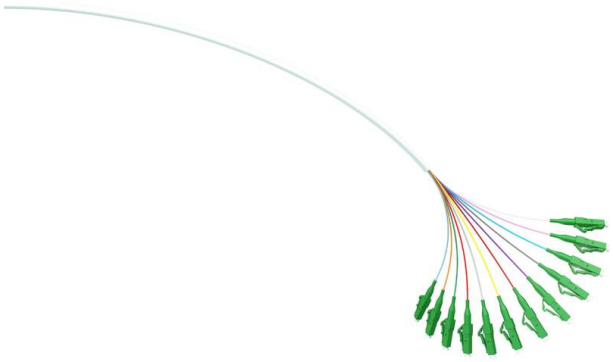
Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 16 Core 9/125 LCA to Open Ended 75 m

Item Code: 207-105-75



- 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 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.

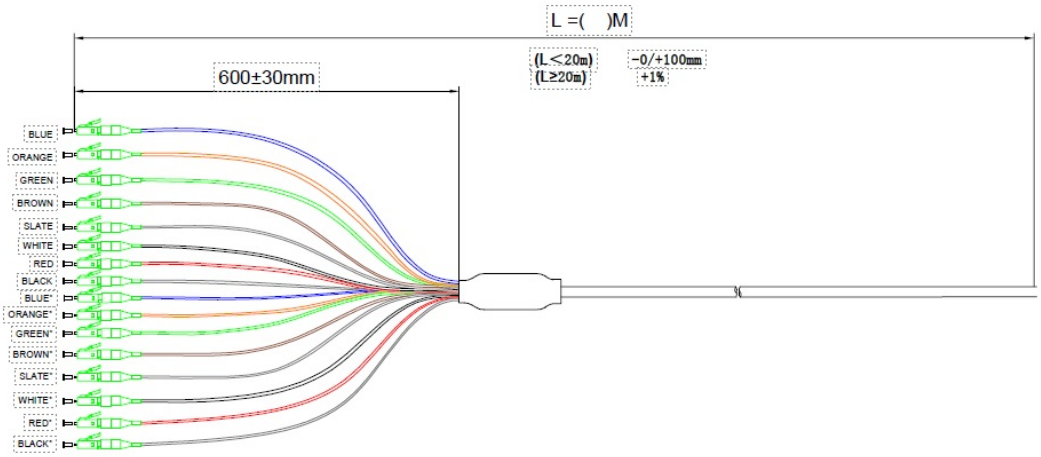
This cable can be installed along corridors with or with out celling voids using adhesive if required.

Product Specifications

Feature	Values
Number of Cores	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	d0

13501-6	
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

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
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
207-105-100	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