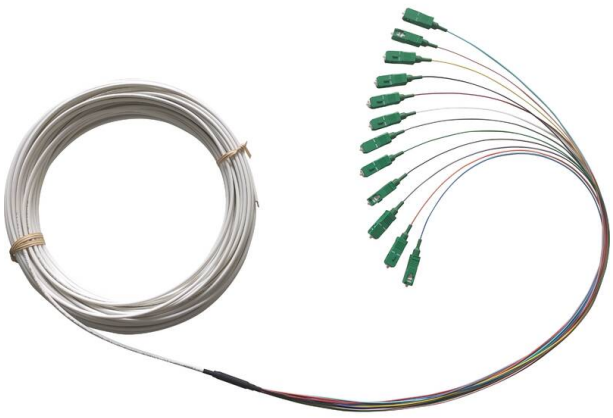
Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 SCA to Open Ended 50 m

Item Code: 207-100-50



- 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 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

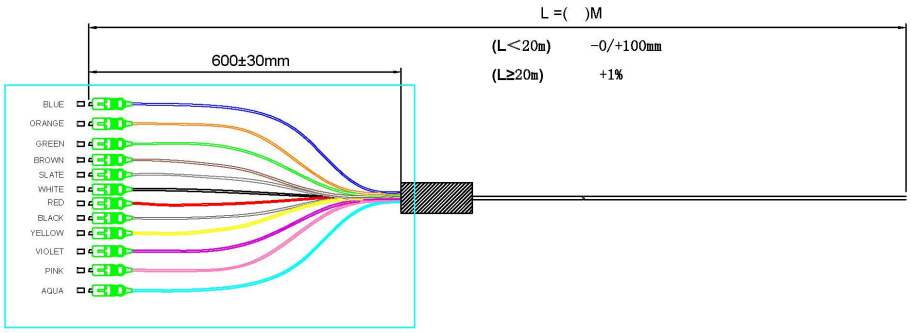
Feature	Values
Number of Cores	12
Type of tube	Tight
Fibre type	Single mode 9/125
Category	OS2
Rodent resistant	no
Outer sheath material	Copolymer, thermoplastic (LS0H)
Outer sheath colour	White
Low smoke (acc. IEC 61034-2)	yes
Reaction-to-fire class according to EN 13501-6	Cca
Smoke development class according to EN 13501-6	s1b
Euro class flaming droplets/particles according to EN 13501-6	d0

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

Additional specifications

Features	Values
Insertion loss	SCA @ 1310 nm
Return loss	SCA @ 1310 nm
Maximum tensile strength (N)	Short term
	Long term
Minimum bend radius (mm)	Dynamic
	Static
Maximum cruish resistance (N/100mm2)	Short term
	Long term
Maximum attenuation	@ 1310 nm
	@ 1550 nm
Durability:	
Fibre type	
Outer jacket material	
Operational temperature	

Product drawings



Standards

Applicable standard	Detail
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 60754-2:2014+A1:2020	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 61034-2:2005+A2:2020	Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements
IEC 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

IEC 60793-1-22:2001	Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement
IEC 60793-1-30:2010	Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test
ITU 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
ISO/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
207-100-100	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 SCA to Open Ended 100 m
207-100-30	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 SCA to Open Ended 30 m
207-100-40	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 SCA to Open Ended 40 m
207-100-50	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 SCA to Open Ended 50 m
207-100-60	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 SCA to

	Open Ended 60 m
207-100-75	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 12 Core 9/125 SCA to Open Ended 75 m