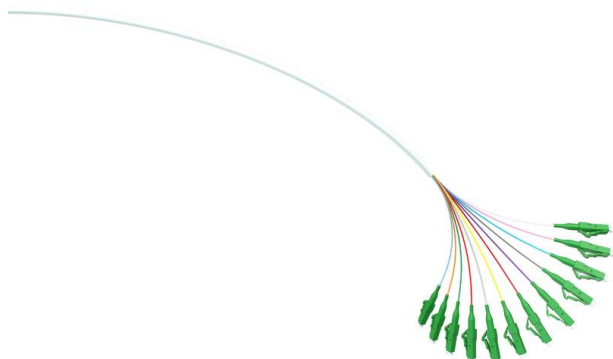


# Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 50 m

Item Code: 207-102-50

**excel**  
without compromise.



✕ Suitable for internal use

✕ G.657.B3

✕ LSZH

✕ Euro class Cca-s1b,d0,a1

## Product Overview

The Excel Encasa 8 fibre corridor cable has been designed for multi dwelling applications, the cable is constructed with 8 colour coded 900 µm 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.

## Product Specifications

Feature	Values
Number of Cores	8
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

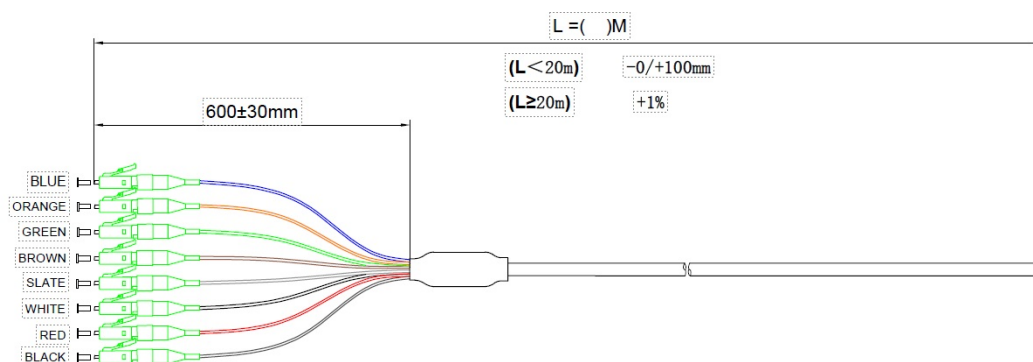
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Euro class acidity according to EN 13501-6	a1
Outer diameter approx.	2 mm

## Cross-section diagram



## Fibre specifications

Features		Values
Insertion loss	@1310 nm	$\leq 0.3$ 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
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

# Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 50 m

Item Code: 207-102-50



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
207-102-100	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 100 m
207-102-30	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 30 m
207-102-40	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 40 m
207-102-50	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 50 m
207-102-60	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 60 m
207-102-70	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 Core 9/125 LCA to Open Ended 70 m
207-102-75	Excel Encasa OS2 Singlemode G.657.B3 Corridor Cable 8 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](mailto:sales@excel-networking.com)



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