

Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to MTP 50 m



Item Code: 207-300-50



✕ Suitable for internal/external

✕ Pre-loaded drop cable

✕ UL94-V0 compliant

✕ Integrated fibre management

✕ Euroclass Cca-s1b,d0,a1

✕ CIBSE TM65 Embodied Carbon: 12.881 kg CO2e

Product Overview

The Excel Encasa IP56 multi dwelling unit has been designed for use within an internal riser application, fitted with a Cca grade internal 12 core SCA to MTP drop cable allowing quick deployment and connectivity.

Product Specifications

Feature	Values
Surface mounted	yes
Type of connector	SCA
With couplers	yes
Suitable for number of couplers	24
Suitable for type of fibre	Single mode
IP-rating	IP65
Ambient temperature	-40...60 °C
Width	275 mm
Height	330 mm
Depth	101 mm

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## Additional specifications

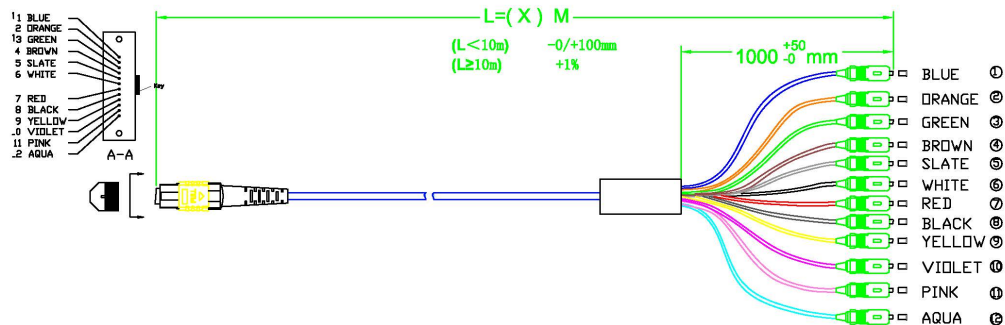
Features		Values
Insertion loss	MTP @1310nm	$\leq 0.35\text{db}$
	SCA @1310nm	$\leq 0.3\text{db}$
Return loss	MTP @1310nm	$> 60\text{db}$
	SCA @1310nm	$> 65\text{db}$
Maximum tensile strength (N)	Short term	150
	Long term	80
Minimum bend radius (mm)	Dynamic	30 x diameter
	Static	15 x diameter
Maximum crush resistance(N/100mm <sup>2</sup> )		500
Maximum attenuation	@full spectrum	$\leq 0.4\text{dB/km}$
Dispersion coefficient	@1310nm	$\leq 3.0\text{ps}/(\text{nm.km})$
	@1550nm	$\leq 18\text{ps}/(\text{nm.km})$
Durability		500 matings
Fibre type		G.657.A2
Outer jacket material		LSZH
Outer diameter		3mm
Operational temperature		-20 to +70 °C

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## 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

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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
207-300-100	Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to MTP 100 m
207-300-30	Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to MTP 30 m
207-300-40	Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to MTP 40 m
207-300-50	Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to MTP 50 m
207-300-60	Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core

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	SCA to MTP 60 m
207-300-75	Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to MTP 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)



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