

# 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

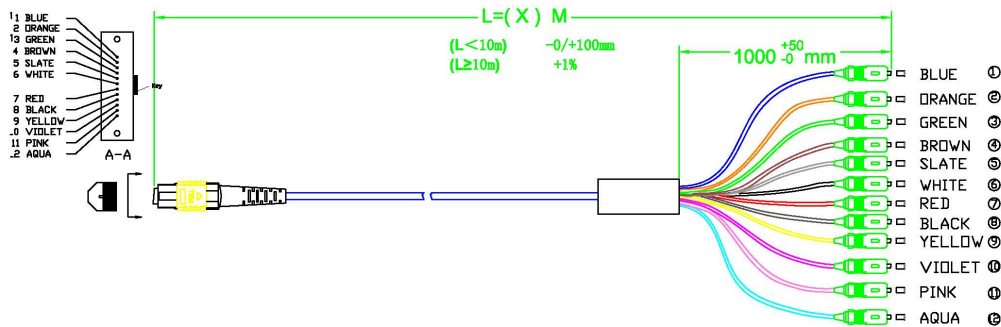
Features		Values
Insertion loss	MTP @1310nm	≤0.35db
	SCA @1310nm	≤0.3db
Return loss	MTP @1310nm	> 60db
	SCA @1310nm	> 65db
Maximum tensile strength (N)	Short term	150
	Long term	80
Minimum bend radius (mm)	Dynamic	30 x diameter
	Static	15 x diameter
Maximum crush resistance(N/100mm <sup>2</sup> )		500
Maximum attenuation	@full spectrum	≤0.4dB/km
Dispersion coefficient	@1310nm	≤3.0ps/(nm.km)
	@1550nm	≤18ps/(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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Item Code: 207-300-50

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)



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