

# Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to MTP 30 m



Item Code: 207-300-30



✕ Suitable for internal/external

✕ Pre-loaded drop cable

✕ UL94-V0 compliant

✕ Integrated fibre management

✕ Euroclass Cca-s1b,d0,a1

## 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

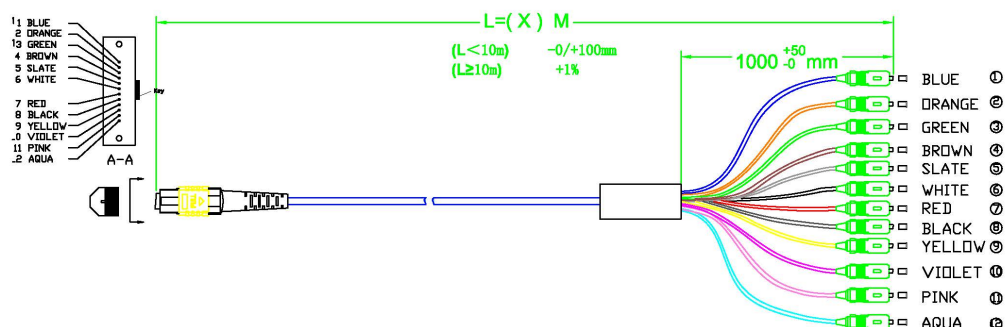
| Feature                         | Values      |
|---------------------------------|-------------|
| Surface mounted                 | yes         |
| Type of connector               | SCA         |
| With couplers                   | yes         |
| Suitable for number of couplers | 24          |
| 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  |

## 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                  |

Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to MTP 30 m



Item Code: 207-300-30

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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