# Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to LCA 40 m

**Part Code: 207-290-40**

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CIBSE TM65 Embodied Carbon: 12.825 kg CO2e




## Main Features

- / Suitable for internal/external
- / UL94-V0 compliant
- / Euroclass Cca-s1b,d0,a1
- / Pre-loaded drop cable
- / Integrated fibre management
- / CIBSE TM65 Embodied Carbon: 12.825 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 LCA drop cable allowing quick deployment and connectivity.

## Product Specifications

| Feature | Values |
|---|---|


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|---|---|
| Surface mounted | **yes** |
| Type of connector | **LCA** |
| 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** |

## Additional specifications

| Features | | Values |
|---|---|---|
| Insertion loss | **LCA @1310nm** | **≤0.3db** |
| | **SCA @1310nm** | **≤0.3db** |
| Return loss | **MTP @1310nm** | **>65db** |
| | **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 cruish resistance(N/100mm2) | | **500** |
| Maximum attenuation | **@ Full spectrum** | **≤0.4dB/km** |



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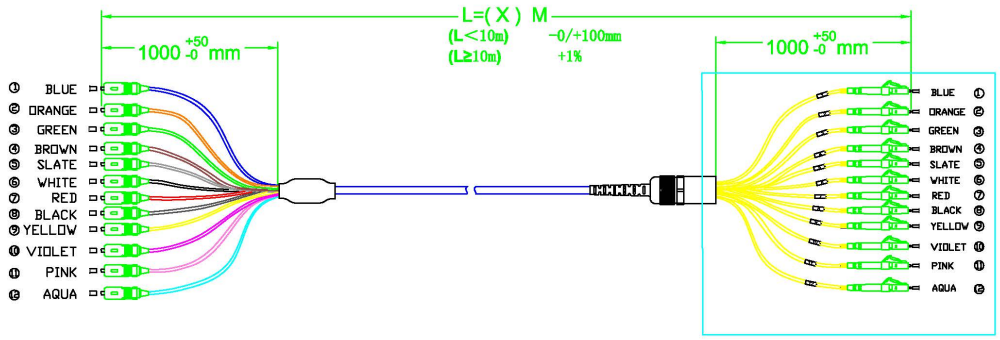
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|---|---|---|
| Dispersion coefficent | **@1310nm** | **≤3.0ps//(nm.km)** |
| | **@1550nm** | **≤18ps//(nm.km)** |
| Durability | | **500 matings** |
| Fibre type | | **G.657.A2** |
| Outer jacket material | | **LSZH** |
| Outer diameter | | **3mm** |
| 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 |



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| 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 |
| Directive 2011/65/EU (RoHS II) | Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states). |
| Directive (EU) 2015/863 (RoHS III) | Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant. |
| Directive 2008/98/EC (WFD) | Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988). |
| ECHA SCIP Database | Compliant; product does not contain SVHCs (Substances |



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| | of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH. |
| Regulation (EU) 2019/1021 (POPs) | EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355). |
| UK SI 2012 No. 3032 | The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019. |

## Part Code Table

| Part Code | Description |
|---|---|
| 207-290-30 | **Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to LCA 30 m** |
| 207-290-40 | **Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to LCA 40 m** |
| 207-290-50 | **Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to LCA 50 m** |
| 207-290-60 | **Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to LCA 60 m** |
| 207-290-75 | **Excel Encasa OS2 Multi Dwelling Drop Cable with 12 SCA Adaptors and 12 Core SCA to LCA 75 m** |


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