Excel Encasa Point of Entry Box Loaded with 1x SCA and 1x 1 Metre Pigtail

Part Code: 900-100

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Main Features

- / Designated cable storage area
- / Accepts LC duplex or SC simplex
- / UL94-V0
- / IP20 rated
- / Internal use only
- / RoHS compliant

Product Overview

The Encasa point of entry box has been designed for the fibre to be passed through the enclosure allowing fibre to be distributed to apartments in multi dwellings applications. The enclosure has multiple cable entry points, a cable storage area, holds up to 2 splice protectors and has a single position to house either a SC simplex or LC duplex adaptor.

Flexibility is increased as the enclosure has latch points on both sides of the lid to allow it to be opened from the top or bottom when installed at high or low levels. In addition to the adaptor housing, we have included a 16-way splice holder that is interchangeable with the adaptor plate, allowing the enclosure to be used for direct splicing.

The cable storage area accommodates 2 mm to 3 mm cable with a maximum of 2 m 2 mm and 1 m 3 mm. Each enclosure comes pre-loaded with APC adaptors and 1 m G.657.A2 pigtails as standard, with an option to have adaptors only or longer pigtails installed if

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required.

Each enclosure includes a fire clip which retains the fibre in position, should a fire break out within the building, ensuring compliance to the building regulations.

Product Specifications

Feature	Values
Surface mounted	**yes**
Type of connector	**LCA/SCA**
With couplers	**yes**
Suitable for type of fibre	**Single mode**
IP-rating	**IP20**
Ambient temperature	**-40...60 °C**
Width	**148 mm**
Height	**90 mm**
Depth	**22 mm**

Additional specifications

Features	Values
Maximum number of fibres	**1 SC simplex or 2 LC duplex**
Maximum number of splices	**2**
Adaptor type	**SC simplex or LC duplex**
Maximum number of adaptor positions	**1**
Maximum cable storage capacity	**2 mm = 2 m/7 turns; 3 mm = 1 m/3 turns**
IP rating	**IP20 (suitable for internal installations only)**

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Material	**ABS**
UL94-V0	**Yes**
Colour	**White (RAL 9003)**
Dimensions (mm)	**90 mm H x 148 mm W x 22 mm D**

Splice Only Option

Features	Values
Maximum number of fibres	**16**
Maximum number of splices	**16**

Cable Entry Parameters

Features	Values
Number of cable entry points	**6**
Cable diameter	**2 mm to 6 mm**

LC and SC/APC Adaptor Specification

Features	Values
Insertion loss	**< 0.2 dB**
Durability (500 mating)	**< 0.2 dB max increase**
Operating temperature	**-40°C to 80°C**
Retention force	**200 - 600 grams**
Alignment sleeve material	**Ceramic**
Flammability rated	**UL 94 V-0**
Polish type	**APC**

Pigtail Specification

Features	Values

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Construction	**Easy-strip**
Diameter	**900 micrometre (µm)**
Temperature range	**-20°C to 70°C**
Minimum bend radius	**10x cable diameter**
Connector ferrule SC type	**2.5 mm zirconia ceramic**
Connector ferrule LC type	**1.25 mm zirconia ceramic**
Connector insertion loss	**Max. 0.3 dB**
Ferrule end face (singlemode APC)	**Max. -60 dB**

Standards

Applicable standard	Detail
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 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

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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
900-100	**Excel Encasa Point of Entry Box Loaded with 1x SCA and 1x 1 Metre Pigtail**
900-101	**Excel Encasa Point of Entry Box Loaded with 1x LCA and 2x 1 Metre Pigtail**

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