



☒ Designated cable storage area

☒ IP20 rated

☒ Accepts LC duplex or SC simplex

☒ Internal use only

☒ UL94-V0

☒ 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 pigtailed as standard, with an option to have adaptors only or longer pigtailed installed if 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)
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
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
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
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

Excel is a world class premium performing end to end infrastructure solution designed, Manufactured, supported and delivered without compromise.

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