**excel** without compromise.

FTTx solutions

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

## Product Overview

The Encasa compact 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.

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 required. The compact design also allows installation within small ceiling voids or as a more discreet installation in communal spaces.

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 | 60 mm |
| Depth | 18 mm |

## Additional specifications

| Features | Values |
|---|---|
| Maximum number of fibres | 1 SC simplex or 1 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) | 60 mm H x 148 mm W x 18 mm D |

## Cable Entry Parameters

| Features | Values |
|---|---|
| Number of cable entry points | 4 |
| 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

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

## Item Code: 901-100

| 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 |
| --- | --- |
| 901-100 | Excel Encasa Point of Entry Box Loaded with 1x SCA and 1x 1 Metre Pigtail |
| 901-101 | 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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