excel
without compromise.

FTTx
solutions

- Designated splitter area
- IP56 rated
- Accepts LC Duplex or SC Simplex
- Internal/external
- UL 94-V0
- RoHS compliant

Product Overview

The Encasa range of fibre distribution points has been meticulously designed to seamlessly integrate into the FTTx network. These enclosures can be aerially or wall-mounted. Crafted from 100% virgin UL 94-V0 rated material, UV stable, and boasting an IP56 rating, they excel in both internal and external applications.

This Encasa fibre distribution point accommodates 36 fibres (using LC connections) or 18 fibres (using SC connections). Flexibility is enhanced through the option to utilize the enclosure for traditional cable splicing with a capacity of 36 fibres and for the installation of pre-terminated cables via the split gland cable exit points.

The use of splitters is also supported, with mounting positions for up to 8 units located on the underside of the adaptor tray. Each enclosure comes pre-loaded with APC adaptors and splitters. The splitters are terminated with APC connections on the outgoing end and left unterminated on the incoming end as standard.

Options are available to be loaded with adaptors and standard pigtails or with adaptors only. The cable entry points allow for midspan cable installation and for cables to be passed through to provide feed to additional enclosures in the network.

Integrated fibre management allows for the installation of 250 μm and 900 μm fibres, ensuring the safety of the fibres and maintaining the required bend radius.

Product Specifications

Feature	Values
Surface mounted	yes
Type of connector	LCA/SCA
With couplers	yes

Suitable for type of fibre	Single mode
IP-rating	IP56
Ambient temperature	-40...60 °C
Width	148 mm
Height	320 mm
Depth	102 mm

Additional specifications

Features	Values
Maximum number of fibres	36
Maximum number of splices	36
Adaptor type	SC simplex or LC duplex
Maximum number of adaptor positions	18
IP rating	IP56 (suitable for internal and external installations)
UV stable	Yes
Material	ABS + PC
UL94-V0	Yes
Colour (Other colours available subject to MOQ)	Light grey (RAL 7035) or black (RAL 9005)
Dimensions (mm)	320 mm H x 148 mm W x 102 mm D

Splitter Options

Features	Values
1:4 plc splitter	Max. 8
1:8 plc splitter	Max. 8
1:16 plc splitter	Max. 2
1:32 plc splitter	Max. 1

Cable Entry and Exit Parameters

Features	Values
Number of feeder cable entry points	4
Midspan capability	Yes
Cable diameter	6 mm - 12 mm
Number of drop cable exit points	36

Cable diameter	3 mm - 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

Splitter Specification

Features	Values
Operating wacelength	1260 to 1650
Fibre type	G.657.A2
Temperature stability (dB) at -40°C to 85°C	≤ 0.4
Storage temperature	-40°C to 85°C
Return loss	≥ 55 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 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 Number Table

Part Number	Description
936-000	Excel Encasa 36 Fibre Distribution Point Unloaded Black
936-001	Excel Encasa 36 Fibre Distribution Point with 4 LCA Connections Black
936-002	Excel Encasa 36 Fibre Distribution Point with 4 LCA Connections Grey
936-003	Excel Encasa 36 Fibre Distribution Point with 8 LCA Connections Black
936-004	Excel Encasa 36 Fibre Distribution Point with 8 LCA Connections Grey
936-005	Excel Encasa 36 Fibre Distribution Point with 12 LCA Connections Black
936-006	Excel Encasa 36 Fibre Distribution Point with 12 LCA Connections Grey
936-007	Excel Encasa 36 Fibre Distribution Point with 16 LCA Connections Black
936-008	Excel Encasa 36 Fibre Distribution Point with 16 LCA Connections Grey
936-009	Excel Encasa 36 Fibre Distribution Point with 32 LCA Connections Black
936-010	Excel Encasa 36 Fibre Distribution Point with 32 LCA Connections Grey
936-011	Excel Encasa 36 Fibre Distribution Point with 36 LCA Connections Black
936-012	Excel Encasa 36 Fibre Distribution Point with 36 LCA Connections Grey
936-025	Excel Encasa 36 Fibre Distribution Point with 4 LCA Connections + 1x 1:4 Splitter Black
936-026	Excel Encasa 36 Fibre Distribution Point with 4 LCA Connections + 1x 1:4 Splitter Grey
936-027	Excel Encasa 36 Fibre Distribution Point with 8 LCA Connections + 2x 1:4 Splitter Black
936-028	Excel Encasa 36 Fibre Distribution Point with 8 LCA Connections + 2x 1:4 Splitter Grey
936-029	Excel Encasa 36 Fibre Distribution Point with 8 LCA Connections + 1x 1:8 Splitter Black
936-030	Excel Encasa 36 Fibre Distribution Point with 8 LCA Connections + 1x 1:8 Splitter Grey

936-031	Excel Encasa 36 Fibre Distribution Point with 12 LCA Connections + 3x 1:4 Splitter Black
936-032	Excel Encasa 36 Fibre Distribution Point with 12 LCA Connections + 3x 1:4 Splitter Grey
936-033	Excel Encasa 36 Fibre Distribution Point with 16 LCA Connections + 4x 1:4 Splitter Black
936-034	Excel Encasa 36 Fibre Distribution Point with 16 LCA Connections + 4x 1:4 Splitter Grey
936-035	Excel Encasa 36 Fibre Distribution Point with 16 LCA Connections + 2x 1:8 Splitter Black
936-036	Excel Encasa 36 Fibre Distribution Point with 16 LCA Connections + 2x 1:8 Splitter Grey
936-037	Excel Encasa 36 Fibre Distribution Point with 16 LCA Connections + 1x 1:16 Splitter Black
936-038	Excel Encasa 36 Fibre Distribution Point with 16 LCA Connections + 1x 1:16 Splitter Grey
936-039	Excel Encasa 36 Fibre Distribution Point with 32 LCA Connections + 8x 1:4 Splitter Black
936-040	Excel Encasa 36 Fibre Distribution Point with 32 LCA Connections + 8x 1:4 Splitter Grey
936-041	Excel Encasa 36 Fibre Distribution Point with 32 LCA Connections + 2x 1:16 Splitter Black
936-042	Excel Encasa 36 Fibre Distribution Point with 32 LCA Connections + 2x 1:16 Splitter Grey
936-043	Excel Encasa 36 Fibre Distribution Point with 32 LCA Connections + 1x 1:32 Splitter Black
936-044	Excel Encasa 36 Fibre Distribution Point with 32 LCA Connections + 1x 1:32 Splitter Grey
936-065	Excel Encasa 36 Fibre Distribution Point with 4 SCA Connections Black
936-066	Excel Encasa 36 Fibre Distribution Point with 4 SCA Connections Grey
936-067	Excel Encasa 36 Fibre Distribution Point with 8 SCA Connections Black
936-068	Excel Encasa 36 Fibre Distribution Point with 8 SCA Connections Grey
936-069	Excel Encasa 36 Fibre Distribution Point with 12 SCA Connections Black
936-070	Excel Encasa 36 Fibre Distribution Point with 12 SCA Connections Grey
936-071	Excel Encasa 36 Fibre Distribution Point with 16 SCA Connections Black
936-072	Excel Encasa 36 Fibre Distribution Point with 16 SCA Connections Grey
936-081	Excel Encasa 36 Fibre Distribution Point with 4 SCA Connections + 1x 1:4 Splitter Black

936-082	Excel Encasa 36 Fibre Distribution Point with 4 SCA Connections + 1x 1:4 Splitter Grey
936-083	Excel Encasa 36 Fibre Distribution Point with 8 SCA Connections + 2x 1:4 Splitter Black
936-084	Excel Encasa 36 Fibre Distribution Point with 8 SCA Connections + 2x 1:4 Splitter Grey
936-085	Excel Encasa 36 Fibre Distribution Point with 8 SCA Connections + 1x 1:8 Splitter Black
936-086	Excel Encasa 36 Fibre Distribution Point with 8 SCA Connections + 1x 1:8 Splitter Grey
936-087	Excel Encasa 36 Fibre Distribution Point with 12 SCA Connections + 3x 1:4 Splitter Black
936-088	Excel Encasa 36 Fibre Distribution Point with 12 SCA Connections + 3x 1:4 Splitter Grey
936-089	Excel Encasa 36 Fibre Distribution Point with 16 SCA Connections + 4x 1:4 Splitter Black
936-090	Excel Encasa 36 Fibre Distribution Point with 16 SCA Connections + 4x 1:4 Splitter Grey
936-091	Excel Encasa 36 Fibre Distribution Point with 16 SCA Connections + 2x 1:8 Splitter Black
936-092	Excel Encasa 36 Fibre Distribution Point with 16 SCA Connections + 2x 1:8 Splitter Grey
936-093	Excel Encasa 36 Fibre Distribution Point with 16 SCA Connections + 1x 1:16 Splitter Black
936-094	Excel Encasa 36 Fibre Distribution Point with 16 SCA Connections + 1x 1:16 Splitter Grey

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