

# Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections + 4x 1:4 Splitter Black

Item Code: 948-046



Designated splitter area

IP56 rated

Accepts LC quad or SC duplex flangless adaptors

Internal/external

UL 94 V-0

RoHS compliant

## Product Overview

The Encasa range of fibre distribution points have been designed to fit within the FTTx network. These enclosures can be aerial or wall mounted. Made from 100% virgin UL 94 V-0 rated material, UV stable and are IP56 rated, allowing them to be used in both internal and external applications. This Encasa fibre distribution point accommodates 48 fibres (using LC connections) or 32 fibres (using SC connections).

Flexibility is increased through the option to use the enclosure for traditional splicing of cables with a capacity of 120 fibres and the installation of pre-terminated cables via the 96 split gland cable exit points 48 on the top and bottom of the enclosure that accept both flat and round cable. The use of splitters is also possible with mounting positions for up to 12 units found under the splice trays. Each enclosure comes pre-loaded with APC adaptors and splitters.

The splitters are terminated with APC connections on the outgoing end and unterminated on the incoming end as standard. Options are available to have adaptors and standard pigtailed or loaded with adaptors only. The adaptor field has been designed so each stack of adaptors can be pulled up to allow better access to plug and unplug connections.

The cable entry points allow for midspan cable installation and for cable to be passed through to feed further enclosures in the network. Integrated fibre management allows 250 µm and 900 µm fibre to be installed, keeping the fibres safe and always maintaining the required bend radius.

## Product Specifications

Feature	Values
Surface mounted	yes
With couplers	yes

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Suitable for type of fibre	Single mode
IP-rating	IP56
Ambient temperature	-40...60 °C
Width	295 mm
Height	368 mm
Depth	130 mm

## Additional specifications

Features	Values
Maximum number of fibres	32 SC or 48 LC
Maximum number of splices trays	5
Maximum number of fibres per tray	24
Maximum number of splices	120
Adaptor type	SC simplex or LC duplex
Maximum number of adaptor positions	32
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)	368 mm H x 295 mm W x 130 mm D

## Splicer Options

Features	Values
1:4 plc splitter	Max. 12
1:8 plc splitter	Max. 12
1:16 plc splitter	Max. 8

## Cable Entry and Exit Parameters

Features	Values
Number of feeder cable entry points	4 top and 4 bottom
Midspan capability	Yes
Cable diameter using compression gland	5 mm to 13.5 mm

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Cable diameter using rubber grommet	5 mm to 20 mm
Number of cables exit points	48 top and 48 bottom
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
	1x4 1x8 1x16
Operating wavelength	1260 to 1650
Fibre type	G.657.A2
Temperature stability (dB) at -40°C to 85°C	$\leq 0.4 \leq 0.4 \leq 0.5$
Storage temperature	-40°C to 85°C
Return loss	$\geq 55$ 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

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	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
948-000	Excel Encasa 48 Fibre Distribution Point with 32 LCA Connections + 8x 1:4 Splitter Grey
948-001	Excel Encasa 48 Fibre Distribution Point with 48 LCA Connections + 12x 1:4 Splitter Grey
948-002	Excel Encasa 48 Fibre Distribution Point with 32 LCA Connections + 4x 1:8 Splitter Grey
948-003	Excel Encasa 48 Fibre Distribution Point with 48 LCA Connections + 6x 1:8 Splitter Grey
948-004	Excel Encasa 48 Fibre Distribution Point with 32 LCA Connections + 2x 1:16 Splitter Grey
948-005	Excel Encasa 48 Fibre Distribution Point with 48 LCA Connections + 3x 1:16 Splitter Grey
948-006	Excel Encasa 48 Fibre Distribution Point with 32 LCA Connections + 1x 1:32 Splitter Grey
948-007	Excel Encasa 48 Fibre Distribution Point with 32 SCA Connections + 4x 1:8 Splitter Grey
948-008	Excel Encasa 48 Fibre Distribution Point with 4 LCA Connections Black
948-009	Excel Encasa 48 Fibre Distribution Point with 4 LCA Connections Grey
948-010	Excel Encasa 48 Fibre Distribution Point with 8 LCA Connections Black
948-011	Excel Encasa 48 Fibre Distribution Point with 8 LCA Connections Grey
948-012	Excel Encasa 48 Fibre Distribution Point with 12 LCA Connections Black
948-013	Excel Encasa 48 Fibre Distribution Point with 12 LCA Connections Grey
948-014	Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections Black

# Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections + 4x 1:4 Splitter Black

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948-015	Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections Grey
948-016	Excel Encasa 48 Fibre Distribution Point with 24 LCA Connections Black
948-017	Excel Encasa 48 Fibre Distribution Point with 24 LCA Connections Grey
948-018	Excel Encasa 48 Fibre Distribution Point with 32 LCA Connections Black
948-019	Excel Encasa 48 Fibre Distribution Point with 32 LCA Connections Grey
948-020	Excel Encasa 48 Fibre Distribution Point with 36 LCA Connections Black
948-021	Excel Encasa 48 Fibre Distribution Point with 36 LCA Connections Grey
948-022	Excel Encasa 48 Fibre Distribution Point with 48 LCA Connections Black
948-040	Excel Encasa 48 Fibre Distribution Point with 4 LCA Connections + 1x 1:4 Splitter Black
948-041	Excel Encasa 48 Fibre Distribution Point with 4 LCA Connections + 1x 1:4 Splitter Grey
948-042	Excel Encasa 48 Fibre Distribution Point with 8 LCA Connections + 2x 1:4 Splitter Black
948-043	Excel Encasa 48 Fibre Distribution Point with 8 LCA Connections + 2x 1:4 Splitter Grey
948-044	Excel Encasa 48 Fibre Distribution Point with 12 LCA Connections + 3x 1:4 Splitter Black
948-045	Excel Encasa 48 Fibre Distribution Point with 12 LCA Connections + 3x 1:4 Splitter Grey
948-046	Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections + 4x 1:4 Splitter Black
948-047	Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections + 4x 1:4 Splitter Grey
948-048	Excel Encasa 48 Fibre Distribution Point with 24 LCA Connections + 6x 1:4 Splitter Black
948-049	Excel Encasa 48 Fibre Distribution Point with 24 LCA Connections + 6x 1:4 Splitter Grey
948-050	Excel Encasa 48 Fibre Distribution Point with 32 LCA Connections + 8x 1:4 Splitter Black
948-051	Excel Encasa 48 Fibre Distribution Point with 36 LCA Connections + 9x 1:4 Splitter Black
948-052	Excel Encasa 48 Fibre Distribution Point with 36 LCA Connections + 9x 1:4 Splitter Grey
948-053	Excel Encasa 48 Fibre Distribution Point with 48 LCA Connections + 12x 1:4 Splitter Black
948-054	Excel Encasa 48 Fibre Distribution Point with 8 LCA Connections + 1x 1:8 Splitter Black

# Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections + 4x 1:4 Splitter Black

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948-055	Excel Encasa 48 Fibre Distribution Point with 8 LCA Connections + 1x 1:8 Splitter Grey
948-056	Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections + 2x 1:8 Splitter Black
948-057	Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections + 2x 1:8 Splitter Grey
948-058	Excel Encasa 48 Fibre Distribution Point with 24 LCA Connections + 3x 1:8 Splitter Black
948-059	Excel Encasa 48 Fibre Distribution Point with 24 LCA Connections + 3x 1:8 Splitter Grey
948-060	Excel Encasa 48 Fibre Distribution Point with 32 LCA Connections + 4x 1:8 Splitter Black
948-061	Excel Encasa 48 Fibre Distribution Point with 48 LCA Connections + 6x 1:8 Splitter Black
948-062	Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections + 1x 1:16 Splitter Black
948-063	Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections + 1x 1:16 Splitter Grey
948-064	Excel Encasa 48 Fibre Distribution Point with 32 LCA Connections + 2x 1:16 Splitter Black
948-065	Excel Encasa 48 Fibre Distribution Point with 48 LCA Connections + 3x 1:16 Splitter Black
948-066	Excel Encasa 48 Fibre Distribution Point with 32 LCA Connections + 1x 1:32 Splitter Black
948-095	Excel Encasa 48 Fibre Distribution Point with 32 LCA Connections + 2x 1:16 Splitter Grey
948-100	Excel Encasa 48 Fibre Distribution Point with 4 SCA Connections Black
948-101	Excel Encasa 48 Fibre Distribution Point with 4 SCA Connections Grey
948-102	Excel Encasa 48 Fibre Distribution Point with 8 SCA Connections Black
948-103	Excel Encasa 48 Fibre Distribution Point with 8 SCA Connections Grey
948-104	Excel Encasa 48 Fibre Distribution Point with 12 SCA Connections Black
948-105	Excel Encasa 48 Fibre Distribution Point with 12 SCA Connections Grey
948-106	Excel Encasa 48 Fibre Distribution Point with 16 SCA Connections Black
948-107	Excel Encasa 48 Fibre Distribution Point with 16 SCA Connections Grey
948-108	Excel Encasa 48 Fibre Distribution Point with 24 SCA Connections Black
948-109	Excel Encasa 48 Fibre Distribution Point with 24 SCA Connections Grey
948-110	Excel Encasa 48 Fibre Distribution Point with 32 SCA Connections Black
948-111	Excel Encasa 48 Fibre Distribution Point with 32 SCA Connections Grey

# Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections + 4x 1:4 Splitter Black

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948-124	Excel Encasa 48 Fibre Distribution Point with 4 SCA Connections + 1x 1:4 Splitter Black
948-125	Excel Encasa 48 Fibre Distribution Point with 4 SCA Connections + 1x 1:4 Splitter Grey
948-126	Excel Encasa 48 Fibre Distribution Point with 8 SCA Connections + 2x 1:4 Splitter Black
948-127	Excel Encasa 48 Fibre Distribution Point with 8 SCA Connections + 2x 1:4 Splitter Grey
948-128	Excel Encasa 48 Fibre Distribution Point with 12 SCA Connections + 3x 1:4 Splitter Black
948-129	Excel Encasa 48 Fibre Distribution Point with 12 SCA Connections + 3x 1:4 Splitter Grey
948-130	Excel Encasa 48 Fibre Distribution Point with 16 SCA Connections + 4x 1:4 Splitter Black
948-131	Excel Encasa 48 Fibre Distribution Point with 16 SCA Connections + 4x 1:4 Splitter Grey
948-132	Excel Encasa 48 Fibre Distribution Point with 24 SCA Connections + 6x 1:4 Splitter Black
948-133	Excel Encasa 48 Fibre Distribution Point with 24 SCA Connections + 6x 1:4 Splitter Grey
948-134	Excel Encasa 48 Fibre Distribution Point with 32 SCA Connections + 8x 1:4 Splitter Black
948-135	Excel Encasa 48 Fibre Distribution Point with 32 SCA Connections + 8x 1:4 Splitter Grey
948-136	Excel Encasa 48 Fibre Distribution Point with 8 SCA Connections + 1x 1:8 Splitter Black
948-137	Excel Encasa 48 Fibre Distribution Point with 8 SCA Connections + 1x 1:8 Splitter Grey
948-138	Excel Encasa 48 Fibre Distribution Point with 16 SCA Connections + 2x 1:8 Splitter Black
948-139	Excel Encasa 48 Fibre Distribution Point with 16 SCA Connections + 2x 1:8 Splitter Grey
948-140	Excel Encasa 48 Fibre Distribution Point with 24 SCA Connections + 3x 1:8 Splitter Black
948-141	Excel Encasa 48 Fibre Distribution Point with 32 SCA Connections + 4x 1:8 Splitter Black
948-142	Excel Encasa 48 Fibre Distribution Point with 32 SCA Connections + 4x 1:8 Splitter Grey
948-143	Excel Encasa 48 Fibre Distribution Point with 16 SCA Connections + 1x 1:16 Splitter Black

# Excel Encasa 48 Fibre Distribution Point with 16 LCA Connections + 4x 1:4 Splitter Black

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948-144	Excel Encasa 48 Fibre Distribution Point with 16 SCA Connections + 1x 1:16 Splitter Grey
948-145	Excel Encasa 48 Fibre Distribution Point with 32 SCA Connections + 2x 1:16 Splitter Black
948-146	Excel Encasa 48 Fibre Distribution Point with 32 SCA Connections + 2x 1:16 Splitter Grey
948-147	Excel Encasa 48 Fibre Distribution Point with 32 SCA Connections + 1x 1:32 Splitter Black
948-148	Excel Encasa 48 Fibre Distribution Point with 32 SCA Connections + 1x 1:32 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](mailto:sales@excel-networking.com)



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