Excel Encasa 48 Fibre Distribution Point with 32 LCA Connections + 2x 1:16 Splitter Grey

Part Code: 948-004

sales@excel-networking.com
excel-networking.com



Main Features

- / Designated splitter area
- / Accepts LC quad or SC duplex flangless adaptors
- / UL 94 V-0
- / IP56 rated
- / Internal/external
- / 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.

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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 pigtails 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**
Type of connector	**LCA/SCA**
With couplers	**yes**
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 nember of fibres per tray	**24**
Maximum number of splices	**120**

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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**
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**

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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	**≤ 0.4 ≤ 0.4 ≤ 0.5**
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).

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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 Code Table

Part Code	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**

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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**
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**

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	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**
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**

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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**
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**

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	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**

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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**

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