

Optical Distribution Box, ODB-48



Features & Benefits

- Outdoor, IP-55 rated
- Weather resistant ABS + PC material
- Suitable for PON and P2P applications
- Suitable for splice only, splice + patch or pre-terminated cables
- Integrated holders for PLC splitters
- Integrated splice tray and fiber management
- Compatible with mid-span applications
- Distribution cables can be pre-terminated or spliced
- Usable with cables or ducts
- Optional pole mounting accessories
- Standard locking screw
- Available pre-configured with adapters, pigtails, PLC splitters
- Connectivity compliance: IEC 61754-4, IEC 61754-20, GR-326 CORE



Overview

The PPC Optical Distribution Box 48 (ODB-48) is a robust outdoor enclosure designed for FTTH PON and P2P networks. It can accommodate up to 96 fusion splices, plus 24 SC simplex or LC duplex adapters and a wide range of pre-connectorized or spliced PLC splitter modules.

The ODB-48 features a splice system with four splice trays, PLC splitter holders and a removable adapter plate. The ODB-48 can be securely mounted to a surface with four screws, accessible only when the cover is open, or pole mounted using additional brackets.

It is available in standard light grey or black color.

Applications

- FTTH Networks
- CATV Networks
- Fiber optic backbone networks
- Building access and demarcation points

Technical Data

Dimensions (H x W x D)	Weight	Material and Color
340 x 220 x 95 mm (13.39 x 8.66 x 3.74 in)	1.9 kg (4.19 lb)	ABS+PC, Light Grey or Black
Connectivity	Splices capacity	
24 SC Simplex or LC Duplex adapters	48 (96 double stacked) heat shrink splices	
PLC splitters (pre-terminated)	Cable Entries	
3 x 1:2, 1:4 or 1:8, 1 x 1:16 or 1:32	2 x PG13 cable glands + 2 x 13mm midspan + 24 x 2-7mm drop cables*	

*Standard individual sealing for 2mm drop cable, different sealings available on request

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Environmental Data

Operating temperature	Ingress protections
-40 °C to 70 °C (-40 °F to 158 °F)	IP-55 according IEC 60529
Impact resistance	2011/65/EU RoHS
IK-06 according IEC 60529	Fully compliant

Ordering Information

Example	ODB48	1	0	1	2	1	1	1	2	1	0	2	1	2
		1		2		3		4		5			6	7

1 Adapter Type

Empty = No accessories
10 = LC Duplex Blue
11 = LC Duplex Green
30 = SC Simplex Blue
31 = SC Simplex Green

5 PLC Splitter Type

Empty = No Splitters
102 = 1x2 Splitter
104 = 1X4 Splitter
108 = 1x8 Splitter
116 = 1x16 Splitter
132 = 1x32 Splitter

2 Adapter Quantity

Empty = No accessories
12 = 12 Adapter
24 = 24 Adapter

6 Splitter Quantity

Empty = No Splitters
1 = One
2 = Two
3 = Three
4 = Four
6 = Six

3 Pigtail Type

Empty = No Pigtails
11 = LC UPC Pigtail
12 = LC APC Pigtail
31 = SC UPC Pigtail
32 = SC APC Pigtail

7 Splice Protector/Product Color

1 = HS Splice protector+Grey
2 = Crimp Splice protector+Grey
3 = HS Splice protector+Black+PoleMount
4 = Crimp Splice protector+Black+Pole Mount

4 Pigtail Quantity

Empty = No Pigtails
12 = 12
24 = 24
48 = 48