WALL MOUNT FIBER SPLICE & TERMINATION BOXES

Description

The wall mount fiber splice and termination boxes are designed for either pre-connectorized cables, field installation of connectors, or field splicing of pigtails. They are ideal for building entrance terminals, telecommunication closets, main cross-connects, computer rooms and other controlled environments. Furthermore, the boxes can be used to install PLC splitters for FTTX applications.

Each distribution box incorporates a front door and a side door. It includes universal adapter plug-ins and splice tray(s). The universal adapter plug-in can accommodate a variety of adapters (see Fig. 2). The adapter plug-in provides oblique installation of adapters to avoid laser hazard to eyes.

Additional splice trays can be stacked on top to increase capacity. Each splice tray can accommodate up to 24 single fiber splice protection sleeves (with diameter of 2.3mm) or 6 ribbon splice protection sleeves. Splice trays can be opened individually and removed from the box. Excess length of cables/pigtails is stored in reels. If required, PLC splitters can be installed at the bottom of the box.

The fiber splice and termination boxes are available in two dimensions - 339x358x94mm^3 and 339x358x188mm^3. The first one can accommodate maximum

Fig. 1 Splice and termination box

Fig. 2 Adapter plug-ins

Fig. 3 Splice trays

48 fiber counts for SC, FC, and ST connectors, and 96 fiber counts for LC and MTRJ connectors. The second one can accommodate maximum 96 fiber counts for SC, FC, and ST connectors, and 192 fiber counts for LC and MTRJ connectors.

Features

- Wall mountable
- Double door access
- Keyway entry
- Provides fiber splicing, termination, management and storage in one unit

- Support FTTX applications
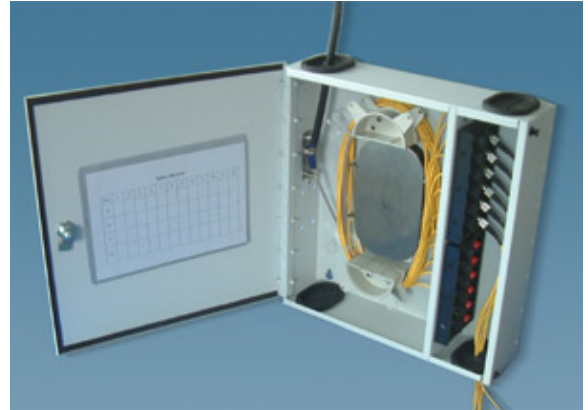- Fiber bend radius control
- High density

- Supports single and ribbon fiber splices
- Made from cold-rolled carbon steel sheets
- Universal adapter plug-in fits a variety of adapters such as SC, FC, LC, etc.
- High density adapter plug-in - 12 fibers for SC and 24 fibers for LC duplex

- Oblique installation of adapters to avoid laser hazard
- Low cost

Applications

- For building entrance terminals
- Cross-connects
- Telephone closets
- Computer rooms
- CATV

- For pre-connectorized cables
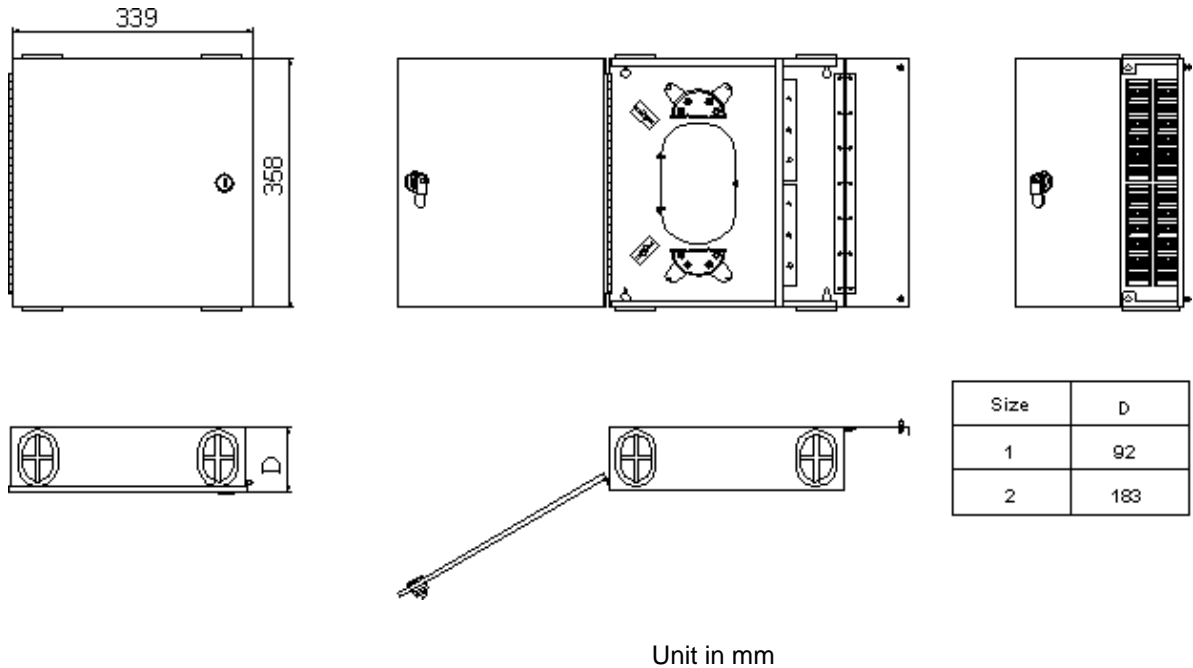- Field installation of connectors
- Splicing of pigtails

Specifications

Splice & Termination Boxes				
Type			ODF-WB1	ODF-WB2
Max Capacity[1]	6-pack plug-in[2]	Simplex	24 fibers	48 fibers
		Duplex	48 fibers	96 fibers
	12-pack plug-in[2]	Simplex	48 fibers	96 fibers
		Duplex LC & MTRJ	96 fibers	192 fibers
Max. No. of Splice Trays			4	8
Weight			$\leq$3.8kg	$\leq$5kg
Dimension (W x H x D)			340 x 360 x 96 mm^3	340 x 360 x 187 mm^3

Adapter Plug-in			
Adapter Type	LC duplex, FC, SC simplex, ST, MTRJ	LC simplex, SC duplex	Others
Max. Loaded Adapters	12 (called 12-pack)	6 (called 6-pack)	Please inquire

Splice Trays			
Splice Protection Sleeve Type	Single Fiber, 3mm dia.	Single Fiber, 2.3mm dia.	Ribbon Fiber
Max. Loaded Protection Sleeves	12	24	6

[1] Max. capacity when 6-pack plug-ins and 12-pack plug-ins are installed.

[2] 6-pack plug-in is an adapter plug-in loaded with 6 adapters; 12-pack plug-in is an adapter plug-in loaded with 12 adapters.

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Dimensional Drawing

Size	D
1	92
2	183

Unit in mm

Ordering Information

Part Number: **ODF-WB 1 SC R 24**

1 2 3 4 5

1	Product Type	WB	Wall mount fiber splice and termination box
		ST	Splice tray
		AP	Adapter plug-in, included with the main unit
2	Size	1	Loaded with 4 adapter plug-ins
		2	Loaded with 8 adapter plug-ins
		Blank	For adapter plug-in and splice tray
3	Adapter Type	FC	FC/PC
		FA	FC/APC
		SC	SC/PC simplex
		SC2	SC/PC duplex
		SA	SC/APC simplex
		SA2	SC/APC duplex
		ST	ST/PC
		LC	LC/PC simplex
		LC2	LC/PC duplex
		E2	E2000/PC simplex
		MR	MTRJ
		DN	DIN/PC
		DNA	DIN/APC
		Blank	For splice tray
4	Adapter Grade	R	Single mode (SM)
		K	Multimode (MM)
		Blank	For splice tray, horizontal cable guide and mounting bracket.

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Ordering Information

5	Number of Ports	12	Single fiber, 12 ports, loaded with adapters, and 1 splice tray
		24	Single fiber, 24 ports, loaded with adapters, and 2 splice trays
		36	Single fiber, 36 ports, loaded with adapters, and 3 splice trays
		48	Single fiber, 48 ports, loaded with adapters, and 4 splice trays
		72	Single fiber, 72 ports, loaded with adapters, and 6 splice trays for Size-2 box or 4 splice trays for Size-1 box*[3]
		96	Single fiber, 96 ports, loaded with adapters, and 8 splice trays for Size-2 box or 4 splice trays for Size-1 box*[3]
		144	Single fiber, 144 ports, loaded with adapters, and 8 splice trays*[3]
		192	Single fiber, 192 ports, loaded with adapters, and 8 splice trays*[3]
		12R	Ribbon fiber, 12 ports, loaded with adapters, and 1 splice tray
		24R	Ribbon fiber, 24 ports, loaded with adapters, and 1 splice tray
		36R	Ribbon fiber, 36 ports, loaded with adapters, and 1 splice tray
		48R	Ribbon fiber, 48 ports, loaded with adapters, and 2 splice trays
		60R	Ribbon fiber, 60 ports, loaded with adapters, and 2 splice trays
		72R	Ribbon fiber, 72 ports, loaded with adapters, and 2 splice trays
		96R	Ribbon fiber, 96 ports, loaded with adapters, and 3 splice trays
		144R	Ribbon fiber, 144 ports, loaded with adapters, and 4 splice trays
		192R	Ribbon fiber, 192 ports, loaded with adapters, and 6 splice trays
		Blank	Unloaded with adapters and splice trays

*[3] 2.3mm diameter splice protection sleeves are used. 3mm diameter sleeves are used for others.
*[4] Please ask the supplier for special part number if PLC splitters are to be installed in the box.

Part Number Examples	
Part Number	Description
ODF-WB1FCR12	Termination box, Size-1, wall mount, 12 SM FC adapters loaded, for single fiber splicing.
ODF-WB1SA2R24	Termination box, Size-1, wall mount, 12 SM SC/APC duplex adapters loaded, for single fiber splicing.
ODF-WB1STK48	Termination box, Size-1, wall mount, 48 MM ST adapters loaded, for single fiber splicing.
ODF-WB1MRK96	Termination box, Size-1, wall mount, 48 MM MTRJ adapters loaded, for single fiber splicing.
ODF-WB2SC2R96	Termination box, Size-2, wall mount, 48 SM SC duplex adapters loaded, for single fiber splicing.
ODF-WB2LC2R144	Termination box, Size-2, wall mount, 72 SM LC duplex adapters loaded, for single fiber splicing.
ODF-WB2LC2R144R	Termination box, Size-2, wall mount, 72 SM LC duplex adapters loaded, for ribbon fiber splicing.
ODF-ST12	Splice tray for single fiber splice, 12 splice protection sleeves included.
ODF-ST24	Splice tray for single fiber splice, 24 splice protection sleeves included.
ODF-ST48R	Splice tray for ribbon fiber splice, 4 splice protection sleeves included.
ODF-ST72R	Splice tray for ribbon fiber splice, 6 splice protection sleeves included.
ODF-APFCR6	Adapter plug-in, 6 single mode FC adapters loaded.
ODF-APSAR12	Adapter plug-in, 12 single mode SC/APC simplex adapters loaded.
ODF-APSC2K12	Adapter plug-in, 6 multimode SC duplex adapters loaded.
ODF-APLC2K24	Adapter plug-in, 12 multimode LC duplex adapters loaded.

Products manufactured in
ISO 9001 certified facilities