OUTDOOR WALL/POLE MOUNT
FTTX CABINETS

Description

The outdoor wall/pole mount FTTX cabinets are environmentally sealed enclosures for splitting and redistributing optical power from feeder fibers to distribution fibers for FTTX networks. They are also designed for fiber splicing, termination, and management.

Each enclosure incorporates a front panel, which has universal adapter plug-ins and splitter mounts. Swinging down the front panel, the splice trays can be accessed behind the front panel. The universal adapter plug-in can accommodate a variety of adapters (see Fig. 3). It has high density and can house a maximum of 12 FC or SC simplex or LC duplex adapters, 6 SC duplex or LC simplex adapters, and many other types of adapters. 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 on the front panel.

The FTTX cabinets are available in two dimensions - 400x400x200mm^3 and 500x500x300mm^3. The first one can accommodate maximum 48 fiber counts for SC and FC connectors, and 96 fiber counts for LC connectors. The second one can accommodate maximum 96 fiber counts for SC and FC connectors, and 192 fiber counts for LC connectors.
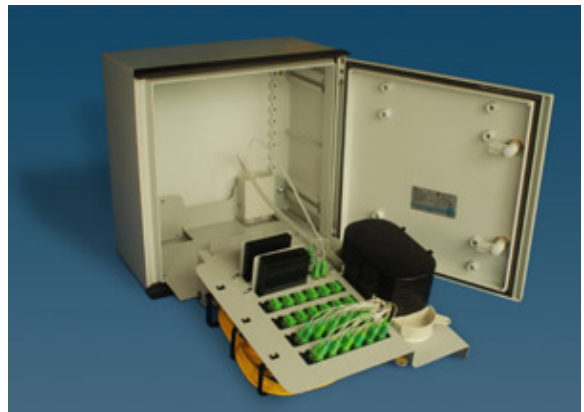

Fig. 1 Outdoor wall mount FTTX cabinet

Fig. 2 Outdoor wall mount FTTX cabinet

Fig. 3 Adapter plug-ins

Fig. 4 Splice trays

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OUTDOOR WALL/POLE MOUNT FTTX CABINETS

Features

- Wall or pole mountable
- Front door access
- Keyway entry
- Provides fiber splicing, splitting and termination in one unit
- Swing-down front panel for easy access
- Fiber bend radius control
- High density

- Made from polymer
- 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

Applications

- FTTX deployments
- For building entrance terminals
- Cross-connects
- Telephone closets

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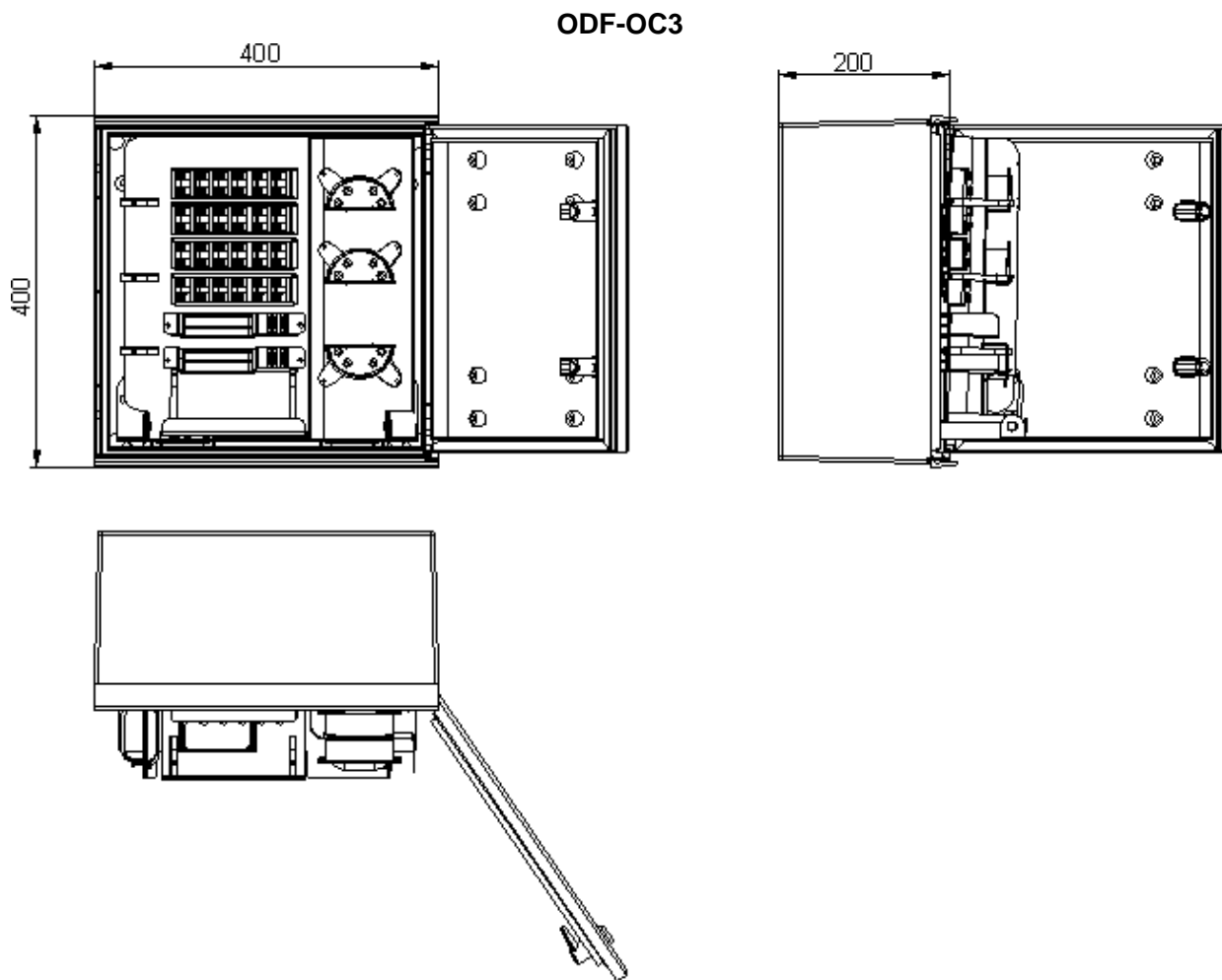- Field installation of connectors
- Splicing of pigtails

Specifications

Cabinets				
Type			ODF-OC3	ODF-OC4
Max Capacity*1	6-pack plug-in*2	Simplex	24 fibers	72 fibers
		Duplex	48 fibers	144 fibers
	12-pack plug-in*2	Simplex	48 fibers	144 fibers
		Duplex LC & MTRJ	96 fibers	288 fibers
Max. No. of Splice Trays			9	26
Max. No. of Splitters			3	12
Weight			$\leq$8.5kg	$\leq$12kg
Dimension (W x H x D)			400 x 400 x 200 mm^3	500 x 500 x 300 mm^3

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

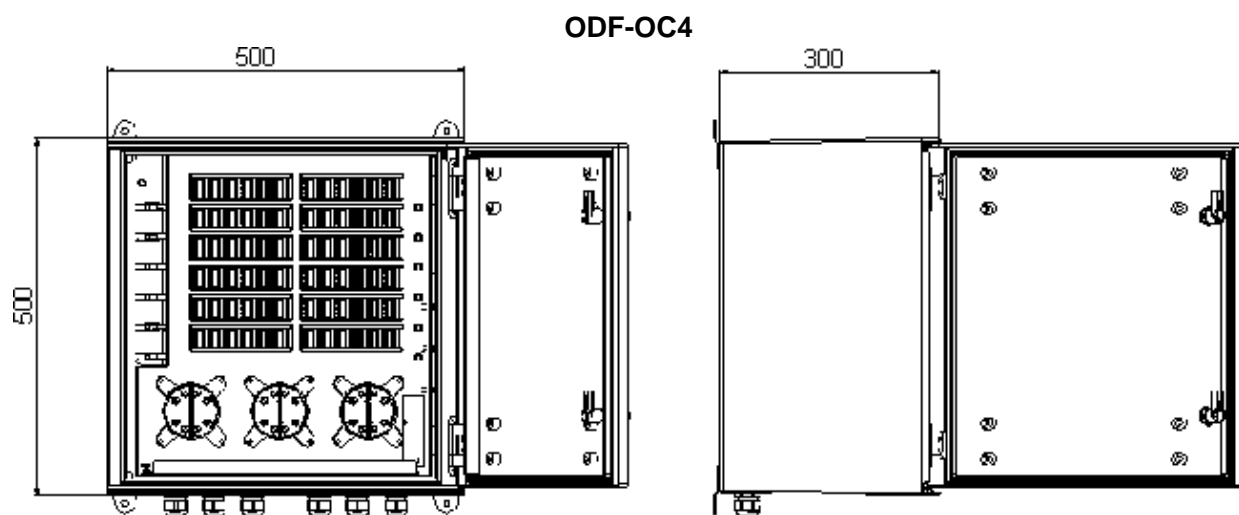| Splice Trays			
Splice Protection Sleeve Type	Single Fiber, 3mm dia.	Single Fiber, 2.3mm dia.	Ribbon Fiber
Max. Loaded Protection Sleeves	12	24	6

*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

ODF-OC3

400

400

200

Unit in mm

ODF-OC4

500

500

300

Unit in mm

3

OUTDOOR WALL/POLE MOUNT FTTX CABINETS

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Ordering Information

Part Number: **ODF-OC 3 SC R 24**
                1 2 3 4 5

1	Product Type	OC	Outdoor wall/pole mount cabinet
		ST	Splice tray
		AP	Adapter plug-in, included with the main unit
		PB	Pole mount bracket
2	Size	3	Loaded with 4 adapter plug-ins
		4	Loaded with 12 adapter plug-ins
		Blank	For accessories
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
		MR	MTRJ
		DN	DIN/PC
		DNA	DIN/APC
		Blank	For splice tray and pole mount bracket
4	Adapter Grade	R	Single mode (SM)
		K	Multimode (MM)
		Blank	For splice tray and pole mounting bracket
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
		96	Single fiber, 96 ports, loaded with adapters, and 8 splice trays
		144	Single fiber, 144 ports, loaded with adapters, and 12 splice trays
		192	Single fiber, 192 ports, loaded with adapters, and 16 splice trays
		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 PLC splitters have to be ordered separately.

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Part Number Examples	
Part Number	Description
ODF-OC3FCR12	Outdoor FTTX cabinet, Size-3, wall mount, 12 SM FC adapters loaded, for single fiber splicing.
ODF-OC3SA2R24	Outdoor FTTX cabinet, Size-3, wall mount, 12 SM SC/APC duplex adapters loaded, for single fiber splicing.
ODF-OC3LC2R96	Outdoor FTTX cabinet, Size-3, wall mount, 48 SM LC duplex adapters loaded, for single fiber splicing.
ODF-OC4SC2R96	Outdoor FTTX cabinet, Size-4, wall mount, 48 SM SC duplex adapters loaded, for single fiber splicing.
ODF-OC4LC2R144	Outdoor FTTX cabinet, Size-4, wall mount, 72 SM LC duplex adapters loaded, for single fiber splicing.
ODF-OC4LC2R144R	Outdoor FTTX cabinet, Size-4, 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.
ODF-PB	Pole mount bracket.

Products manufactured in
ISO 9001 certified facilities

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