



# User's Manual

SUN-ODF-HD Series

**Fiber Optic Distribution Frame**

**English**

Table: SUN-UM-CM-ODF002

Version: A/0

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## 1. Product overview

Sun Telecom's SUN-ODF-HD series fiber optic distribution frames are widely applied in Local Central Office. These are used for fiber optic cable fixation, protection, termination, patching etc.

## 2. Features

- Electrostatic spraying technology adopted
- Suitable for installation of FC square, SC, DLC (SC type) adapters
- Reliable fiber optic protection, flexible frame fixing and grounding devices
- Proper patching management



SUN-ODF-HD



SUN-ODF-HD-MU ODF Unit

## 3. Specifications

Parameters	Specification
<b>Maximum Number of Cores</b>	504/576/720
<b>Cabinet Material</b>	Cold-rolled steel (1.2mm thick)
<b>Adapter Type</b>	FC square, SC, DLC (SC type) (ST,FC small D can be customized)
<b>Insulation Resistance (MΩ)</b>	≥3000, no breakdown, no flashover



<b>Insulation Resistance</b>	1000MΩ/500VDC
<b>Dimensions (mm)</b>	840(W) x 2000(H) x 300(D) 840(W) x 2200(H) x 300(D)
<b>Weight (kg)</b>	98.5/105

#### 4. Installation

**4.1** Open-type frame needs front and back operation, so when fixing frame, operation space should be reserved in both front and back. Use four M12x60 expansion screw to fix the bottom of frame on the ground.

**4.2** Default way of incoming cable from the bottom. If need from the top of it, you have to down move the cable way and then fix the leading plate to frame.

#### 5. Operation:

**5.1** Leading cable from back to plate, and reserve a length of cable and strip it, then fix it with clamp. Use nut to fix strength member, then distribution.

**5.2** Lead the stripped fiber through the left and right side to the front and spicing.

**5.3** Splice operation started began from the first floor of splice tray. Shrinkable protective tube is necessary.

**5.4** Contain the pigtails coiled in the tray.

**5.5** Insert the splice tray into the unit, then put the left cables in the cable way, and cover it.

**5.6** Insert one end of the double end pigtail to the adapter, the lead the other end through the two sides to the coiling loop on the front of frame to the



equipment.

## **6. Packing**

The packing is standard packing, damp proof, shockproof. Accessory and spare parts are packed in plastic container first, then in wooden carton. The cabinet is sealed with plastic container, with rain protection, damp proof and direction mark.

## **7. Storage**

No piling on the cabinet, the acidity, alkaline and harmful gas should accord with the environmental standard. Indoor temperature:  $-5^{\circ}\text{C}\sim 40^{\circ}\text{C}$ , relative humidity  $\leq 85\%$ .

## **8. Transportation**

The equipment is suitable for all kinds of transportation, during the transportation, the environment temperature should be within  $-30^{\circ}\text{C}\sim 50^{\circ}\text{C}$ , relative humidity  $\leq 90\%$ . The equipment should not be caught soaked in the rain, and exposed in the sunlight. Loading, unloading and carrying should be operated according to the packing mark. No upside down, sidelong or reversed.

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