Opticube®

SPECIFICATION FOR
OPTICAL DISTRIBUTION FRAME
FDF-RM-48C

Model	**VSOF-FDF- RM-48C**
Spec No.	**VSS-0712-FDF-01A/SD**
Distribution Dpt	**□ Quality Assurance Team** **□ Manufacturing Division** **□ Sales Division** **□ Management Division**
Revision	**07. 11 (Rev.0)**

1. Introduction

1.1. General

This specification covers the minimum standards and requirements for the construction, properties, testing and packing of the optical distribution frame intended for installation internally in customers premises, wall mounted in telecommunications network.

1.2. Description

The FDF is installed for terminating optical fiber cables from outside of the building and to terminate optical fiber termination cord. The FDF should include the metallic casing, adapter plate, splice tray and other necessary materials for the termination of optical fiber cable. Therefore it should be designed properly for the fiber splicing and distribution.

The FDF shall be of corrosion resistance and robust construction; and shall allow both top or bottom entry for access to the splice trays. Specific selection of the entry points shall be made at the time of installation. The FDF shall be installed on the international standard (ETSI 19ↀ) equipment rack or cabinet rack

1.3. Reliability

The quality of a optical distribution frame is critical to reliable optical transmission performance. The product shall be produced with ISO-9001 certified production facilities and quality control system is applied the process from product design to packaging.

2. OPTICAL DISTRIBUTION FRAME

2.1. Units can be stacked to accommodate future network growth

2.2. All work can be done from the front of frame

2.3. Provides fast-efficient installation in tight spaces

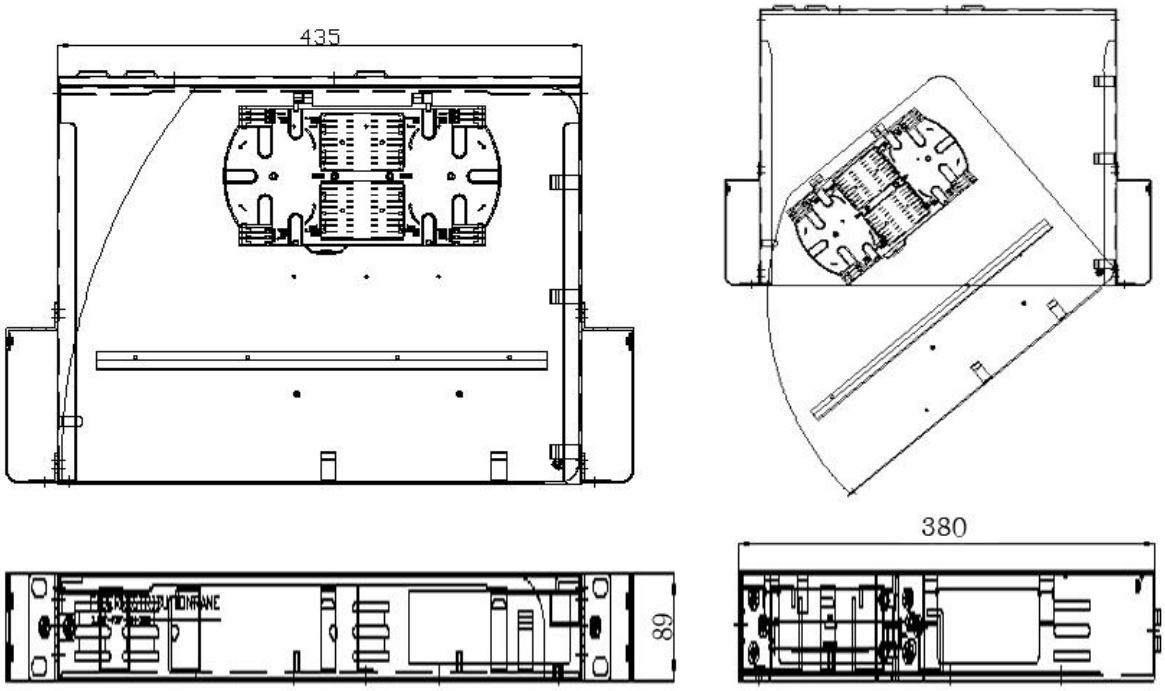
2.4. Total radius control for maintaining transmission integrity

2.5. The top cover is removable for easy installation

2.6. Fully controlled loose tube and jumper cord service loops

2.7. High quality, uniform rust-proof finish with no sharp edges

FDF-RM-48C (SC,LC,FC,ST Type)



2.2 Specification

PARTS	ITEM	Specifications of ODF-
		RM-48C
□ BODY	Dimensions (L x W x H) mm	483x380x89 (2U)
	Rack	19ò
	Material	AL, SPCC
□ ADAPTER PANEL	Adapter capacity	48
	Connector type	SC,FC,ST,LC
	Pigtail capacity	48
□ SPLICING	Splice tray	2
	Splice capacity	24
	Splice method	Fusion
□ CABLE	OSP cable diameter	8mm~32mm
	Cable type	Loose tube, Ribbon

2.3 Splice Organizer

Fibers shall be completely retained within the splice organizer with no possibility of trapping, pinching or other damage to the fibers during installation.

The splice protection sleeves (60mm) shall restore the mechanical integrity of the fiber and shall not create any residual forces in the fiber. The splice protection sleeves (60mm) may be a suitable plastic heat shrinkable material with an internal stainless steel rod for tension relief.

The splice organizer should have system to prevent pulling out the fiber cord end from the organizer.

3. TEST CERTIFICATION

3.1. General

This section specifies the FDF and its material physical, chemical environmental and mechanical requirements and the tests to be applied for the determination of compliance with these requirements. The materials of the FDF shall be compatible with all cable components and splicing materials

3.2. Workmanship

All components of the FDF shall be high quality design, workmanship, and finish.

All components shall be free of pinholes, cracks, sharp edges or other defects which may detract from the service requirements of the FDF. All metal and plastic welds shall be a high standard of workmanship.

3.3. Materials

The components of the FDF and its accessories shall not contain any hazardous or toxic materials. All the components shall be stainless steel or AL with equivalent corrosion resistance. The FDF shall have a robust construction.

4. DELIVERY

4.1. Packing

The fiber distribution frame shall be packed with a complete kit containing all components necessary for installation. Each item shall be covered with protective materials to prevent scratching or damages during shipping or storage. Complete assembly and installation instructions in English shall be provided with each packaged unit. The final shipping cartons shall have sufficient strength and durability to protect the contents in the process of handling during storage and shipping by land, sea, or air

4.2. Marking

The details given below shall be distinctively marked in English with a weatherproof material, on at least two sides of the shipping carton.

- The company to be delivered
- The product item
- Country of origin
- Manufacturer's name and/or trademark
- Date of manufacture
- Caution mark