

# ***Specifications***

***for***

***LOW DENSITY CABINET RACK***

## **1. General**

This specification covers the design requirements and characteristics required of fiber optic distribution frame to be used on fiber optic cables applications.

### **1.1 Description**

The fiber optic distribution frame consists of fiber optic distributor and cabinet rack for indoor use. Each fiber optic distributor can be installed up to 36 fiber count.

### **1.2 Reliability**

The quality of fiber optic 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. Fiber Optic Distributor**

### **2.1 General**

The main purpose of the fiber optic distributor is to terminate the outside plant cable coming into splicing unit with pigtails. The fiber optic distributor consists of outer case with swing out type module, adaptor plate, splice tray and other necessary materials for the termination of fiber optic cable.

### **2.2 Requirements**

- 2.2.1 The metallic components shall be of corrosion resistance and robust construction.
- 2.2.2 The distributor shall allow both top or bottom entry for access to the splice tray.
- 2.2.3 The distributor shall be installed in the 19" cabinet rack.
- 2.2.4 The distributor shall withstand the storage temperatures of +2 to +50°C.
- 2.2.5 The splice tray shall allow the accommodation of the fibers with a nominal bending radius of 38mm.

### 3 Rack Cabinet

#### 3.1 General

The Rack Cabinet is an all-purpose 19" metal rack to accommodate the fiber optic distributor in an exchange, head end or customer premise environment.

#### 3.2 Requirements

3.2.1 The metallic components shall be of corrosion resistance and robust construction.

3.2.2 The rack cabinet shall be easy access to cable and patch cord during installation, maintenance and upgrade.

3.2.3 The distributor shall withstand the storage temperatures of +2 to +50 °C.

#### 3.3 Configuration



## 1. Specification

Item	Rack
Dimension	600(W)*9000(D)*2200(H)mm
No. of Shelf Unit	45
Type of Shelf Unit	1U 24C (SC Type)
Fiber Capacity	1080C
Cable Diameter	8 ~ 32
Cable Capacity	5 ~ 6
Connector Type	SC,FC

## 4 Delivery

### 4.1 Packing

The fiber optic 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

The End of Specifications -