

# 144C Modular Optical Fiber Distribution Frame (ODF) Specification



## 1. Overview

144Core modular optical fiber distribution frame is used where termination and connectivity of 144fibers (high density) is required. The frame design is based on a 4U rack unit height. This 144C modular ODF is composed of 12pcs pre-loaded 12C splicing and patching unit that includes FC/SC/ST/duplex LC compatible adaptors, pigtailed and 12 core splice tray.

## 2. Features

- Modular design, sliding out type 12C fiber splicing and patching unit with rails for easy operation
- Integrated design provides OSP cable fibers and pigtail splicing, patch-cord termination and storage.
- Provides maximum protection of optical components
- Excellent mechanical performance
- Reliable fiber routing and fixing design
- Minimum fiber bending radius guaranteed
- Good dust proof performance

## 3. Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Central Offices
- Hubs
- Cabinets
- Remote Terminals

#### 4. Structure and Material

- Cold rolled steel sheet material, thickness 1.2mm
- Black or grey powder coating
- Universal mounting bracket
- 19" rack compatible
- Rugged construction, ensuring environmental, mechanical, and optical integrity

#### 5. Specifications

- Sizes: 482\*420\*175mm
- Operating Temperature: -20~+55°C
- Relative humidity:  $\leq 85\%$  (30°C)
- Atmosphere pressure: 70~106KPa
- Insulation Resistance:  $\geq 2 \times 10^9 \Omega / 500V(DC)$

#### 6. Pictures



Side Organizer Reference Picture