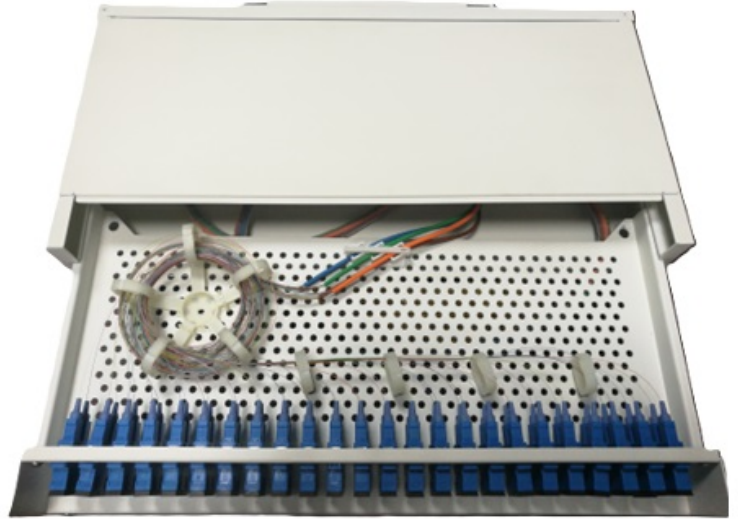


Technical Data Sheet

Product name:
Fiber Optical Distribution Frame with
Pre-terminated Cable



Application

Fiber optic distribution frame with Pre-terminated Cable is a user-friendly optical fiber patch product. The product is mainly used in the environment where maximum flexibility is required (typically in computer center and sub network).

With LC adaptor, 1U ODF and 1.5U ODF is 144 fibers maximally, 2U ODF is 192 fibers maximally.

1U ODF is with fixed front panel, 1.5U and 2U could be with fixed front panel or sliding front panel.

Features

1U, 1.5U, 2U ODF are available

Indoor or Outdoor cable optionally, 1-2pcs pre-terminated cables could be mounted in ODF

With bare fiber cable inside ODF, cost effective and light weight

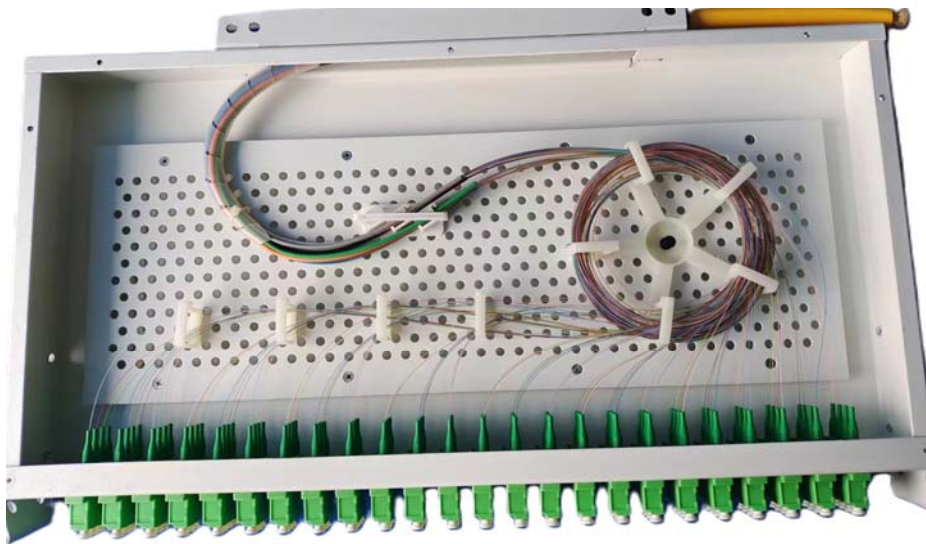
For ODF with sliding panel, convenient access for service and repair work

General Parameter

| | |
|---------------------------|--|
| Insertion Loss | ≤0.3dB |
| Return Loss | ≥50dB for UPC connector, ≥60dB for APC connector |
| Connector Surface Control | 100% testing under 400 times microscope, compliant with IEC standard |
| ODF Type | 1U, 1.5U, 2U |
| Material of ODF | Aluminum or customized material |
| Cable Type | Micro type Indoor cable or outdoor cable optionally, 24-fiber~192-fiber suitable |
| Suitable adaptor | SC or LC typically, other adaptor available |
| Max fiber capacity | with SC dual adaptor, up to 72 fibers for 1U and 1.5U ODF, 96 fibers for 2U ODF with LC quad adaptor, up to 144 fibers for 1U and 1.5U ODF, 192 fibers for 2U ODF |
| Cable length | 10M, 20M, 30M typically |

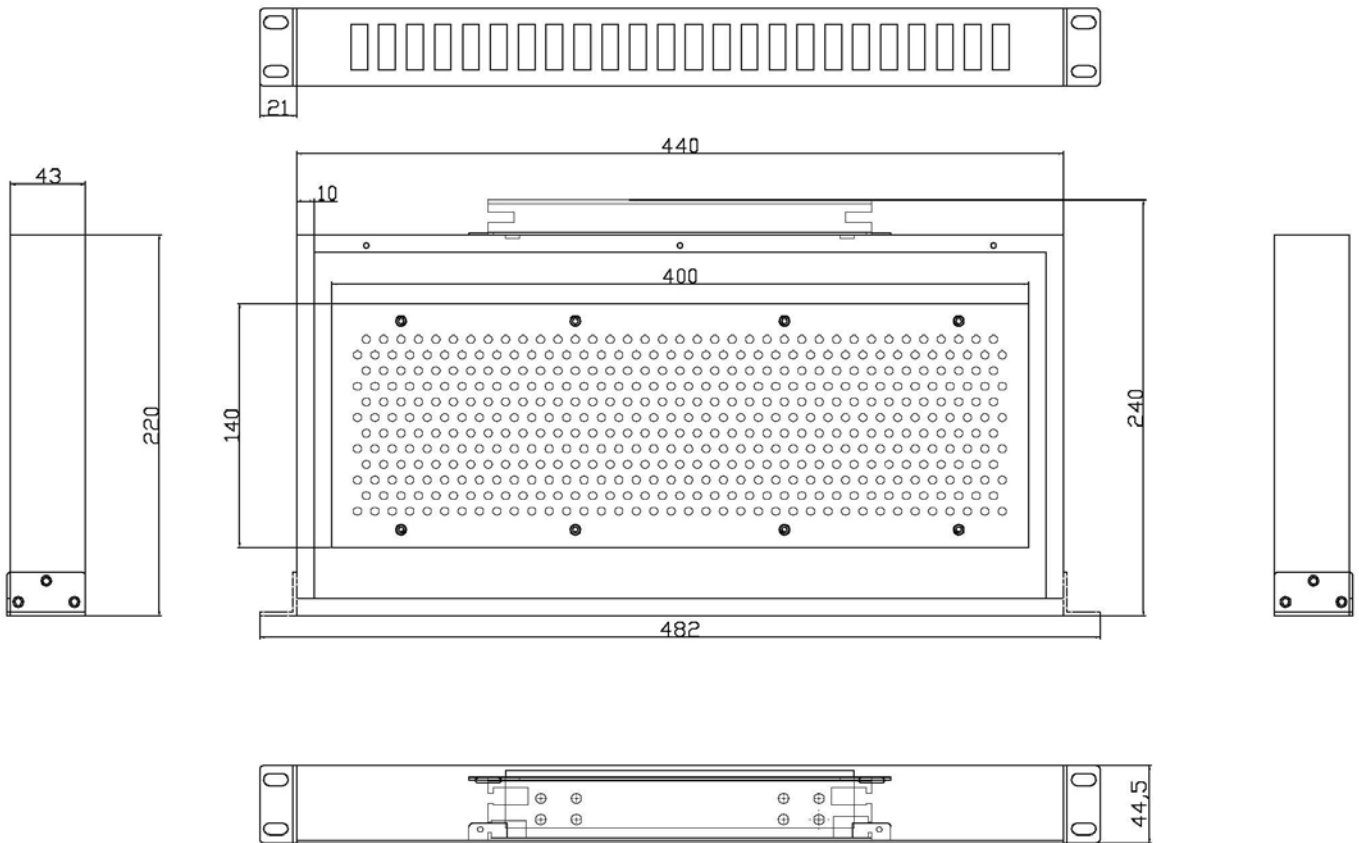
Technical Data Sheet

Information about ODF



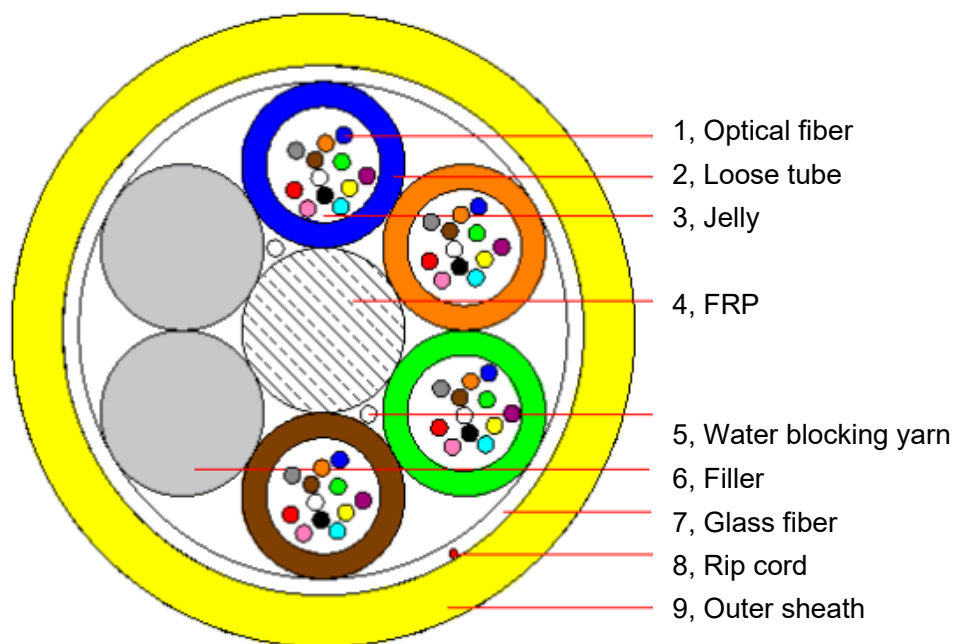
Technical Data Sheet

Dimension of ODF: 1U ODF as below for reference, 1.5U and 2U ODF are just different at height.

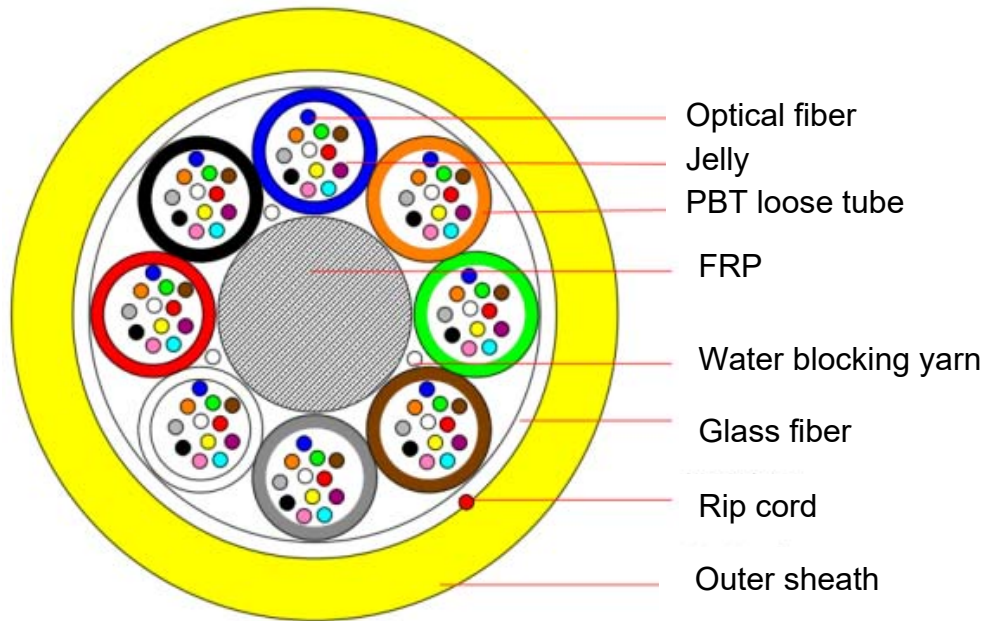


Information about optical cable

Configuration of 48-fiber outdoor micro cable



Configuration of 96-fiber outdoor micro cable



Optical performance of micro cable

| Items | | Descriptions | |
|------------------------------|-----------------|--|---------|
| Optical fiber (G.652D) | | 48F | 96F |
| Loose tube | Fibers per tube | 12 | 12 |
| | Diameter | 1.50mm | |
| Filler | Number | 2 | 0 |
| Central strength member | Material | FRP | |
| | Diameter | 1.5mm | 2.5mm |
| Water blocking material | | Water blocking yarn | |
| Outer sheath | Material | LSZH | |
| | Color | Yellow | |
| Cable nominal diameter (mm) | | 8.0mm | 8.6mm |
| Cable approx. weight (kg/km) | | 70kg/km | 81kg/km |
| Max. tensile strength | Short time | 1300N for 48-fiber, 2400N for 96-fiber | |
| Max. crush resistance | Short time | 1000N/100mm | |
| Minimum Bending radius | Dynamic | 20 times of cable diameter | |
| | Static | 10 times of cable diameter | |
| Temperature range | Installation | -15°C ~ +50°C | |
| | Storage | -40°C ~ +70°C | |
| | Operation | -25°C ~ +70°C | |

Fiber and Loose Tube Color Identification

| NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------|------|--------|-------|-------|------|-------|-----|-------|--------|--------|------|------|
| Color | Blue | Orange | Green | Brown | Gray | White | Red | Black | Yellow | Violet | Pink | Aqua |
| | | | | | | | | | | | | |