

**Chengdu Honelinks Innovation  
Technology Co., Ltd.**

No.15, 1st Floor, Building 25, No.360,

Huayang Nanhu, Chengdu, China

[sales@honelinks.com](mailto:sales@honelinks.com) | Tel: +86-028-86661062

[sherry@honelinks.com](mailto:sherry@honelinks.com) | Mob:+86-15196637014

# **ODF UNIT**

## **Product Specification**

## 1. Product Introduction

ODF Unit, Optical Fiber Splice Distribution box, or Optical Distribution Frame unit, is applied in introducing, fixing and protecting the optic cable, splicing fiber termination with pigtails. The quantity of units and flange tray is optional according to the users actual needs. It is specially designed for optical fiber communication equipment room. It has the function of cable fixation, protecting fiber cable terminating, wiring, distribution and protection of fiber cores and pigtails. It not only can be assembled as optical distribution frame, but also can be assembled in multiplex distribution frame together with digital distribution unit and audio distribution unit. Its features of layout flexibility, easy installation and use, good maintainability and ease of management make it become one of the indispensable equipments of realizing fiber winding, jumper splicing and access in termination or waypoint in optical cable network .

GB-D ODF Unit is superior to congeneric products on the market:

1. There is a chain which connects the door to the cabinet, making the door in the horizontal state during operation.
2. The chain is made of aluminium alloy, looking attractive and durable.
3. The component for opening the door adopting snap, has compact structure and beautiful appearance.



Item No.	Size(mm)	Inner Packing Weight(kg)	Out Packing Size(mm)	out Packing Weight(kg)	Qty/out packing(pcs)
GB-A-12	480*250*1U	3.1	485*305*425	17.0	5
GB-A-24	480*210*2U	4.8	485*305*675	25.5	4
GB-A-48	480*210*3U	6.0	485*340*530	25.6	4
GB-A-72	480*210*4U	7.7	545*475*425	32.3	4
GB-A-144	480*210*8U	13.8	455*255*365	13.8	1

## 1 Product Feature And Function

- ✧ Metal plate unit box structure, beautiful appearance.
- ✧ 19" standard installation, has good versatility.
- ✧ Completely modular design and front operation. The unit box integrates fiber fusion, splicing, wiring, distribution, every single splice tray can be pulled out separately, satisfying the operation in or out of the box.
- ✧ Optical cable, pigtails, patch cord have a clear management level and good operability. FC, SC, ST and LC adaptors can be applied in Clamping type installation.
- ✧ Apply to ribbon optical cable and non-ribbon optical cable.
- ✧ Adaptor is 30° clamping type installation in the equipment, which ensures the bend radius of patch cord and avoids laser burning eyes.
- ✧ Cable and pigtail both have a wiring storage space which is over 2m.

## 2 Technical Specifications

### 2.1 Environmental Requirement

- ✧ Working temperature:  $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- ✧ Storage temperature:  $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$
- ✧ Relative temperature:  $\leq 85\%$  ( $+30^{\circ}\text{C}$ )
- ✧ Barometric pressure:  $70\text{KPa} \sim 106\text{Kpa}$

### 2.2 Suitability Index

- ✧ Nominal working wavelength: 850nm, 1310nm, 1550nm;
- ✧ Optical fibre connector: Comply with GB12507 and relevant regulations and criteria.

- ✧ Optical fiber Index: comply with regulations of GB/T11818 and GB/T7424.

### 2.3 Photoelectric Properties

- ✧ Optical fiber connector loss:  $\leq 0.5\text{dB}$
- ✧ Insertion loss:  $\leq 0.2\text{dB}$
- ✧ Return loss:  $\geq 50\text{dB}$
- ✧ Plug-in life:  $> 1000$  times

### 2.4 Mechanical properties

- ✧ Combustion performance of plastic parts comply with the regulations of GB51697-85.
- ✧ Having protective covers when fiber optic cable passing through the holes.
- ✧ Ensuring the radius of curvature of cores and pigtails  $\geq 37.5\text{mm}$ .
- ✧ When cable introducing into the unit box, the radius of curvature is 15 times bigger than the cable diameter.
- ✧ Dielectric strength:  $\geq 3\text{KV (DC)}$  / 1min, no flashover.
- ✧ Insulation resistance:  $\geq 1000\text{M}\Omega$  / 500V (DC)

## 3 Product Configuration

- ✧ Heat-shrinkable tube L=60, 12 pcs/tray
- ✧ Bare fiber protection tube, 1m/tray
- ✧ Hose clamp  $\phi 13 \sim \phi 19$ , 2 pcs (optional)
- ✧ Fastening core column, 2 pcs (optional)
- ✧ Ribbon 2x60, 5 pcs/tray
- ✧ M6 crown nut.screw, 4 sets.