



**24 CORES
FIBER OPTIC
TERMINATION BOX**

AR-DB24P-A



1. DESCRIPTION

The equipment is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

2. FEATURES

- Total enclosed structure.
- Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution...etc all in one.
- Cable, pigtails, patch cords are running through own path without disturbing each other, cassette type SC adaptor installation, easy maintenance.
- Distribution panel can be flipped up, feeder cable can be placed in a cup-joint way, easy for maintenance and installation
- Cabinet can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor uses
- Water-proof design with IP-68 Protection level.
- Integrated with flap-up splice trays and adaptor holder
- Impact test: IK10, Pull Force:100N, Full rugged design.
- Fiber bend radius control more than 40mm.
- Suitable for the fusion splice or mechanical splice.
- 1*8 or 1*16 PLC Splitter can be installed in each splice tray as option.
- All stainless metal plate, anti-rust bolts and nuts
- 1 mid-span cable entrance(10-16.5mm) for uncut cable and 2 mechanicals glands for distribution cable (8-16.5mm).
- 3mm glands for flat drop cable(defaulted), 7mm glands for round drop cable (optional)
- 24 adaptors for drop cable patching

3. APPLICATION

3.1. ENVIRONMENTAL REQUIREMENT

Working temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
 Relative humidity: $\leq 85\%$ ($+30^{\circ}\text{C}$)
 Atmospheric pressure: $70\text{KPa} \sim 106\text{Kpa}$

3.2. MAIN TECHNICAL DATASHEET

Insertion loss: $\leq 0.2\text{dB}$
 UPC return loss: $\geq 50\text{dB}$
 APC return loss: $\geq 60\text{dB}$
 Life of insertion and extraction: > 1000 times

3.3. THUNDER-PROOF TECHNICAL DATASHEET

The grounding device is isolated with the cabinet, isolation resistance is less than $2 \times 10^4 \text{ M}\Omega/500\text{V}$ (DC); $IR \geq 2 \times 10^4 \text{ M}\Omega/500\text{V}$
 The withstand voltage between grounding device and cabinet is no less than 3000V (DC)/min, no puncture, no flashover.
 $U \geq 3000\text{V}$

4. CONFIGURATION TABLE

Material	Size	Max capacity	Cable Entrance	PLC Splitters	Adaptors	Weight	Colors
Strengthen Polymer Plastic	L*W*H(mm) 385*245*130	Splice 96 Fibers (4 trays, 24 fiber/tray)	1 x Oval 24 x Drop Cable	3 x 1:8 Steel Tube Type	24 x SC	4.5kg	Black

5. INSTALLATION

1. Wall-mounted installation
 Drill 4 holes over the wall based on the size in table 1, place the expansion bolt $\Phi 7.5 \times 40$, place the box to match up the holes and use bolt to fasten.
2. Pole-mounted installation
 Fix 1 set of the easy pole ring to the telecom pole

6. ACCESORIES

1. Key*1.
2. Accessories Bag * 1.
3. Easy pole ring*2, M6*20mm Bolt*2 (Option)