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24 CORES
FIBER OPTIC
TERMINATION BOX

AR-DB24P-B

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℃～+85℃
Relative humidity：≤85% (+30℃)
Atmospheric pressure：70KPa～106Kpa

3.2.MAIN TECHNICAL DATASHEET

Insertion loss：≤0.2dB
UPC return loss：≥50dB
APC return loss：≥60dB
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 $2x10^4$ MΩ/500V (DC)；IR≥$2x10^4$ MΩ/500V
The withstand voltage between grounding device and cabinet is no less than 3000V (DC) /min, no puncture, no flashover.
U≥3000V

4. CONFIGURATION TABLE

Material	Size	Max capacity	Cable Entrance	PLC Splitters	Adaptors	Weight	Colors
Strengthen Polymer Plastic	L*W*H(mm) 385*245*155	Splice 96 Fibers (4 trays, 2 4 fiber/tray)	1 x Oval 2 x Round 24 x Drop Cable 24 x Drop Cable	3 x 1:8 Steel Tube Type	24 x SC	5.0 kg	Black

5. INSTALLATION

1. Wall-mounted installation
Drill 4 holes over the wall based on the size in table 1, place the expansion bolt Φ7.5*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)