



General Description

The Fiber Distribution Box (FDB) is a compact termination box used at the building premises such as residence, offices etc. in the FTTx networks. It is used for straight joint, branch and pass through connectivity in FTTx Networks.

It has the provision for mounting 2 nos. 1x8 LGX Splitter box. It also has the optional provision for patch panel to accommodate 16 SC type adaptors.

It also has the provision for the storage of drop cables and fiber loose tubes separately without overlapping allowing easy identification of faulty cable routes and maintain it in relatively independent space.

The design and construction of the FDB allows individual link testing without disturbing the other subscribers. The box allows easy fiber access from front side during installation and maintenance. The box maintains the safe bend radius suitable for G6 52 standard fiber.

It can be used for indoor as well as outdoor applications. It is made up of engineering plastic material making it light weight. It can very well work with Optical Micro cables and Aerial ADSS cable.

The box body is made of high quality engineering plastic material. With safe shaped lock, the box can be opened and closed easily. The angle of opening box is more than 120°.

Features:

- Can accommodate 1x4,1x8,1x16,2x4,2x8 & 2x16 PLC Steel tube splitter or LGX Splitter
- Protection Class: IP65
- Can be wall mounted or pole mounted
- Supports upto 16 FTTH drop cables

Applications:

- Used at Access Networks for spitting and distribution
- Applicable for pole and wall mounting applications
- Used in FTTx networks

Technical Specifications: Model: PDR-FDB24B

Parameters	Units	Particulars
Dimension (L x W x D)	mm	320 x 275 x 105
Weight	Kg	1.36
Cable Sealing	pcs	1
Material		High Quality Engineering Plastic
Mid Span Port	Nos	1 mid-span cable entrance for feeder cable(2 ports), 1 entrance port, 1 reserved entrance port
Cable Diameters Supported	mm	4-7mm drop cable
Total No. of Optical Splices	Nos	24
Degree of Protection		Ip65
Maximum No. of Cable Entries	Nos	2
Maximum No. of Splice Trays	Nos	No extra tray, the backside of plastic box contains the function for splice
No. of Splice per Tray	Nos	24
No. of LGX Splitter Modules	Nos	2pcs 1*8 splitter
No. of Splitters per Module	Nos	2pcs 1*8splitter
Splitter Ratios		1*8
Fiber Length Storage in Splice Tray	Mtr	1.5m
No.Drop Cable Exit Ports	Nos	24port
No. of Branching & Distribution Ports	Nos	2in 24port
Operating Temperature	Deg C	-40°C ~ + 60°C
Storage Temperature	Deg C	-25°C + ~55°C
Relative Humidity	Deg C	≤95% (+ 30°C)
Atmospheric Pressure	Deg C	62~101kPa

Bill of Materials: Box Section

Product Name	Specifications	Units	Qty	Remarks
Box Bottom		PCS	1	
Box Cover		PCS	1	With protective membrane on the surface
Drop Leaf, Adapter Panel or PLC Splitter Panel		SET	1	The color is same as box body's
Cable Holder		SET	1	
Handle for Drop Cable		PCS	2	
Ring for Winding Fiber		PCS	1	
Grounding Fits		PCS	1	
Un-cutting Fits		SET	1	
Sealing Part for Drop Cable		PCS	1	
Sealing Part for Box Body		PCS	1	
Lock		SET	1	
PLC Splitter	1*8	PCS	2	optional as per customers request
PLC Splitter	1*16	PCS	1	optional as per customers request
Adapter		PCS	24	optional as per customers request
Pigtail		PCS	24	optional as per customers request

Bill of Materials: Accessory Section

Product Name	Specifications	Units	Qty	Remarks
Nylon Cable Tie	3*100	PCS	10	
Splice Tube	L=60MM	PCS	24	
Protective Tube for Bare Fiber		0.5M/ PCS	1	
Instruction		PCS	1	
Wall-Mounted Fits		SET	1	optional as per customers request
Pole-Mounting Fits		SET	1	optional as per customers request

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