

Sliding Type 2U Fiber Optic Patch Panel Durable SC Optical Fiber Distribution Frame

HANGZHOU MINGXIN FIBER NETWORK TECHNOLOGY CO., LTD.



Detailed Product Description

Dimension:	450*277*89mm	Capacity:	48 Core Patch Panel
Return Loss:	>50 DB	Body:	Metal Cold Rolled Steel
Optical Connector:	SC FC LC ST Patch Panel	Weight:	3.5kg

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Rack Mounted Fiber Optic Patch Panel, Fiber Distribution Box, Fiber ODF, 12 Ports, 24 ports, 36 ports, 48 ports, 72 ports can be with Fiber Optical Adapter & Pigtail, Fiber patch panel box.

Features

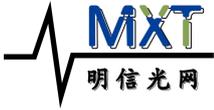
- Compliance with the Standard of YD/T925-1997
- Excellent Armor Plate, Good-looking Figure
- Design for large splicing tray
- One to four entry are available
- Metal assemblies of optic cable terminating box and optic cable metal strength chip
- Complete accessories
- Reasonable designing
- Large capacity, Core can reach 12-144 cores
- Reliability
- Good protection of pigtails

Application

- Telecommunication
- CATV
- LAN & WAN
- Network
- Broadband

Product Show





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Preparation before installation

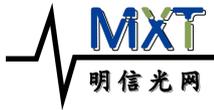
- A.** Check the structure and type of fiber cables before installation; different fiber cables could not be spliced together;
- B.** Seal well the connective components to reduce additional loss to fibers caused by dampness; don't apply any pressure on the connective components;
- C.** Keep a dry and dustless working environment; don't apply any external force to the cables; don't bend or entwine cables;
- D.** Appropriate tools should be used for splice of cables according to the local standards during the whole installation process.

The installation procedure of the box

- A.** Open the front cover of the box or the top (if necessary), take down the fiber splice tray; let in the fibers from the fiber entry and fix them on the box; the devices for fixation are as follows: the adjustable collet, stainless fiber cable ring & nylon tie;
- B.** The fixation of steel core (if necessary): thread the steel core through the fixed device (optional) and screw down the bolt;
- C.** Leave about 500mm-800mm long spare fibers from the peeled point of fiber cable to the entrance of the splice tray, cover it with plastic protective tube, fix it with plastic tie at the T type holes; splice fibers as usual;
- D.** Store the spare fibers and pigtails, plug the adapters in the slots on the tray; or first plug in the adapters and then store the spare fibers, please pay attention to the direction of coiling fibers
- E.** Cover the splice tray, push in the splice tray or fix it with the slot at the edge of the box;
- F.** Install the box inside 19" standard mounting equipment.
- G.** Connect the patch cord as usual.

Fiber Optic Patch Panel Specification

- Environment temperature: -25°C~+45°C
- Relative humidity: ≤85%(30°C)
- Atmosphere pressure: 70~106KPa
- Insulated Resistance: ≥2×10MΩ/500V(DC)
- Intensity ≤15KV(DC)/1min no spark-over and no flying arc
- Fiber bending radius guaranteed more than 40mm: ≥40mm
- Application: It is applicable for straight-through connection and diverged connection in aerial layout, duct and direct buried. It can protect fiber connectors.



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Environmental Data	
Working temperature	-40℃ +70℃
Working humidity	<95%(30℃)
Working atmospheric pressure	70-106Kpa
Electricity Data	
Under the general air pressure, 500VDC, insulation resistance>1000MΩ	
The high voltage protection can undertake 3000VDC, no spark-through and flashover within 1 minutes.	
Optical performance data	
Connectors loss(including insertion, changeability and durability)	≤0.3dB
Additional loss in changeability	≤0.2dB
Additional loss in durability	≤0.1dB
Return loss	FC/PC≥40dB, FC/UPC≥50dB,FC/APC≥60dB
Plug-draw life	1000times

Operating Wavelength(nm)	820±40/980±40/ 1310±40/1550±40	980&1550±40/ 1310&1490&1550±40	Parameter	Unit	Value		
Coupling Ratio (%)	Insertion Loss (dB)				Fiber Type	Hi 780/ Flex 1060/ SMF-28e/ SMF-28e XB	
	Tap	Signal	Tap	Signal			
01/99	19.0-21.0	≤0.20	18.5-21.5	≤0.25	PDL	dB	Typ.:<0.1 Max.:<0.15
03/97	14.6-16.2	≤0.30	14.5-16.5	≤0.30	Directivity	dB	>55
05/95	12.4-13.8	≤0.35	12.0-14.5	≤0.45	Return Loss	dB	>50
10/90	9.70---10.7	≤0.60	9.70-11.2	≤0.60	Excess Loss	dB	Typ.:<0.1 Max.:<0.2
20/80	6.70---7.60	≤1.15	6.60---7.80	≤1.15	Pigtail Dia.	mm	0.25 /0.9 / 2 / 3
33/67	4.65---5.65	≤1.70	4.50---5.85	≤1.80	Pigtail Length	cm	>100
40/60	3.95---4.30	≤2.50	3.70---4.70	≤2.70	Operating Tem.	℃	-10~ +70
50/50	2.85---3.30		2.80---3.40		Storage Tem.	℃	-40~ +85