

RACK-MOUNT FIBER OPTIC DISTRIBUTION FRAME MODEL: ODF-R SERIAL

Overview:

Rack-mount Fiber Optic Distribution Frame is modularized design with drawable trays inside and cold-rolled steel box. It could be pre-installed with various kinds of fiber optic adapters and pigtails. It is with standard 19 inch size and properly designed to control the bend radius of the cable inside the enclosure to avoid extra optical loss. This frame is ideal for indoor fiber optic cables connection storage, distribution and management.

Picture:



ODF-R24 (1.5U)



ODF-R36 (2U)



ODF-R48 (3U)



ODF-R72 (4U)



ODF-R96 (5U)



ODF-R144 (7U)

Specifications:

Model	Size(mm)	Core capacity	Cable Port (max)	Max diameter Of cable (mm)	Splice Tray model	Core capacity Tray	Weight (kg)
ODF-R24	430x300 x70	24	8	φ20	NTM-12	12	5.4
ODF-R36	430x300 x88	36	8	φ20	NTM-12	12	6.6
ODF-R48	430x300 x140	48	8	φ20	NTM-12	12	7.8
ODF-R72	430x300 x200	72	12	φ20	NTM-12	12	10.6
ODF-R96	430x300 x255	96	12	φ20	NTM-12	12	12.2
ODF-R144	430x300 x310	144	12	φ20	NTM-12	12	13.8

Application:

- Telecommunications subscriber loop
- Fiber to the home (FTTH)
- LAN/WAN
- CATV

Test Report:

Sequence Number	Inspection Item	Requirement		Inspection Results	Conclusion
1	Appearance and configuration	Appearance	Shape integrity, no defect, No burr, No bubble, N crack, No impurity, No hole, color uniform, to close and open is easy	Meets the requirements	Qualification
		Electric Connecting Set	Electric connecting or shut off section in the box, ground lead-out section on the external shell.	Meets the requirements	
		Optical Fibers Storage Set	Residual fiber length no less than 1.6m	>1.6m	
			Residual fiber curvature Radius no less than 37.5mm	>40.5mm	
2	Function	YD/T 925-1997		Meets the requirements	Qualification
Sequence Number	Inspection Item	Requirement		Inspection Results	Conclusion
3	Axis Tensile	Between calbe and case $\geq 500N$		>500N	Qualification
		Between cable connector and case $\geq 5N$		>5N	
4	Crush	$\geq 200N$		Meets the requirements	Qualification
5	Torsion	$\pm 90^\circ$, 3cycles, 1min		Meets the requirements	Qualification
6	High Temperature Test	$(55\pm 2)^\circ C$, 2h, after test at room temperature condition for 2h, color uniform, no loss increase		color uniform, no loss increase	Qualification
7	Low Temperature Test	$(-25\pm 3)^\circ C$, 2h, after test at room temperature condition for 2h, color uniform, no loss increase		color uniform, no loss increase	Qualification
8	Damp Heat Test	$(30\pm 2)^\circ C$ $(85\pm 3)\%$, 2h, after test at room temperature condition for 2h, color uniform, no loss increase		color uniform, no loss increase	Qualification
Sequence Number	Inspection Item	Requirement		Inspection Results	Conclusion
9	Insulated Resistance	Insulated resistance $\geq 2 \times 10^4 M\Omega$	Between two metal sections	$1 \times 10^6 M\Omega$	Qualification
			Between metal section and ground	$1 \times 10^6 M\Omega$	
			Between two cable	$1 \times 10^6 M\Omega$	
10	Voltage Resisting Strength	DC 15KV holding 1min, No breakage, no electric arc	Between two metal sections	No breakage No electric arc	Qualification
			Between metal section and ground	No breakage No electric arc	
			Between two cable	No breakage No electric arc	

Features:

- Standard size, light weight and reasonable structure
- Splice tray inside changeable
- Suitable for ribbon and single fiber
- Various panel plate to fit different adapter interface
- Front mark on the plate is easy for identification and operation
- 24C, 36C, 48C, 72C, 96C, 120C, 144C optional, with or without fiber optic pigtails and adapters
- Easy for management and operation.

Accessories installed:

Splice protector tube, Sticky cincture, Sticky cincture, Cables ties, Hose clamp, Sealing washer, Plugs, Tape collar gauge, Marking note, Hanging hook, Allen wrench, Insulate robber belt.

Information Order:

Model	Specifications
ODF-R24	24 core, Rack 19 inch, 2 trays 12 core, Fiber optical adapter can be SC, FC, LC...
ODF-R36	36 core, Rack 19 inch, 2 trays 12 core, Fiber optical adapter can be SC, FC, LC...
ODF-R48	48 core, Rack 19 inch, 2 trays 12 core, Fiber optical adapter can be SC, FC, LC...
ODF-R72	72 core, Rack 19 inch, 2 trays 12 core, Fiber optical adapter can be SC, FC, LC...
ODF-R96	96 core, Rack 19 inch, 2 trays 12 core, Fiber optical adapter can be SC, FC, LC...
ODF-R144	144 core, Rack 19 inch, 2 trays 12 core, Fiber optical adapter can be SC, FC, LC...

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