



OPTICAL FIBER DISTRIBUTION FRAMES (ODF)

AR-RODF-C-840 Series

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1. OVERVIEW

AR-RODF-C-840 series Optical fiber distribution frame is a compact, medium capacity device used to realize optical fiber cable connection and scheduling. Mainly is applicable to optical fiber connecting point between the optical transmission network and equipment or between the access network and subscriber cable. Can use cross connection or direct connection to realize the fiber connection, allocation and scheduling conveniently.

2. STANDARD COMPLY

The provisions in following documents become the provisions of these specifications though quotation. For dated reference, subsequent amendments (excluding Corrigendum contents) or revisions do not apply to this standard, however, encourage the latest version of this specification according to the parties reach an agreement whether can use these files. For documents without date, its latest edition is suitable for this standard.

UL 94, Test for Flammability of Plastic Materials for Parts in Devices and Appliances
AR-RODF-C-840 Series Optical Fiber Distribution Frames

3. FOR THE ENVIRONMENT

- Operating temperature: $-40^{\circ}\text{C}\sim+60^{\circ}\text{C}$
- Ambient humidity: $\leq 95\%$ ($+40^{\circ}\text{C}$)
- Atmospheric pressure: $70\text{ kPa}\sim 106\text{ kPa}$

4. CHARACTERISTICS

- Enclosed type frame, the left and right side plates can be disassembled, conveniently for frame combine
- Non fiber management unit design, Plug and Play design of splicing and terminating tray
- Universal adapter plug-in fits a variety of adapters such as SC, FC, LC, etc

- Optical splitter tray can be installed. The installation dimensions of the splitter tray and the splicing and terminating tray are compatible.
- All operation in front, the cable can be introduced above or below and be free to allocate.
- Reliable cable introducing, fixing and protection device, suitable for ribbon and non ribbon optical fiber cable.
- Reasonable fiber routing, ensure fiber bend radius larger than 37.5mm at any position.

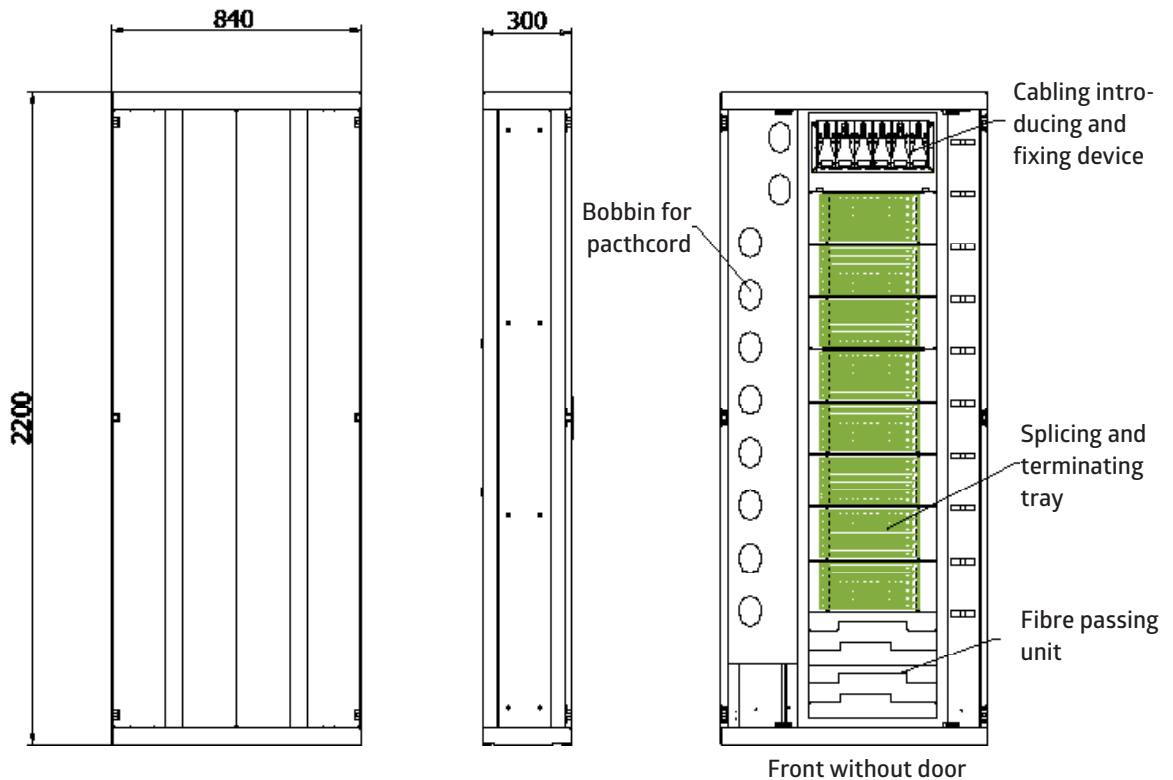
5. STRUCTURE AND DIMENSIONS

Picture 5-1 Appearance of AR-RODF-C-840 Series Optical Fibre Distribution Frames (ODF)



Note: The frame body according to customer requirements printed content.

Picture 5-2 Structure and dimensions of AR-RODF-C-840 Series ODF (2.2 meter rack as an example)



6. OPTICAL AND ELECTRICS PROPERTY

- Nominal operating wavelength: 850nm, 1310nm, 1550nm;
- Insertion loss (dB): ≤ 0.2 dB;
- Return loss (dB): PC type ≥ 45 dB, UPC type ≥ 50 dB, APC type ≥ 60 dB;
- Insulation resistance: not less than 2×10^4 M Ω / 500 V (DC)
- Withstand Voltage: not less than 3000V (DC) / 1min.
- Connector Life: After 1000 mating cycles, the insertion loss variation < 0.1 dB;

7. MATERIAL OF COMPONENTS

- Durability of adapter :>1000times.

8. MATERIAL OF COMPONENTS

- Box body made of high quality cold-rolled steel , and the surface coated by electrostatic epoxy powder;
- Flame retardant of plastic parts meet GB5169.7 Experiment A requirements.

9. PACKAGE

- Using carton or wooden packaging for a variety of transportation service;
- Storage temperature -30 °C ~ +55 °C, humidity ≤ 90% (+30 °C);
- Storage precautions: warehouse air acidic, alkaline or other harmful gases, shall comply with environmental requirements.

10. ORDERING GUIDE

Table 10-1 Basic parameters of AR-RODF-C-840 series fiber management unit

NAME	TYPE	Dimensions	Capacity (cores)	Working Environment	Note
		HXWXD (mm)			
Optical Fibre Distribution Frames	AR-RODF-C-576 Series	2000×840×300	576	Indoor	Closed Structure
	AR-RODF-C-720 Series	2200×840×300	720		
	AR-RODF-C-864 Series	2600×840×300	864		

Table 10-2 Configuration list of AR-RODF-C-840 series ODF

NO	NAME	TYPE	Dimensions	Quantity	Note
1	2.0 meter rack of ODF	AR-RODF-C-840	2000 x 840 x 300	1	
2	12 cores splicing and terminating tray	YTP-01		48	
3	Adapter	SC/UPC		576	Other type can be chose for need
4	12 cores bunchy pigtail	SC/PC- 1.5m- φ 0.9-G65 2D		48	
5	Protective sleeve for bare fibre	φ 3.8		96	
6	Protective sleeve for splicing	L=40		576	
7	Cable fixing device	AR-RODF-C-840-B22-3-0		1	
8	Fiber passing unit	AR-RODF-C-840-A22-4-0		2	
9	Hose clamp	φ 16~25		26	
10	Expansion bolt	M10*100		4	
11	Insulating tape	SC/PC- 1.5m- φ 0.9-G652 D		1	
12	NYLON Cable ties	L=250		100	

NO	NAME	TYPE	Dimensions	Quantity	Note
1	2.2 meter rack of ODF	AR-RODF-C-840-A22	2200 x 840 x 300	1	
2	12 cores splicing and terminating tray	YTP-01		60	
3	Adapter	SC/UPC		720	Other type can be chose for need
4	12 cores bunchy pigtail	SC/PC- 1.5m- ϕ 0.9-G65 2D		60	
5	Protective sleeve for bare fibre	ϕ 3.8		120	
6	Protective sleeve for splicing	L=40		720	
7	Cable fixing device	AR-RODF-C-840-A22-3-0		1	
8	Fiber passing unit	AR-RODF-C-840-A22-4-0		2	
9	Hose clamp	ϕ 16~25		26	
10	Expansion bolt	M10*100		4	
11	Insulating tape	SC/PC- 1.5m- ϕ 0.9-G652 D		1	
12	NYLON Cable ties	L=250		100	

NO	NAME	TYPE	Dimensions	Quantity	Note
1	2.6 meter rack of ODF	AR-RODF-C-840-A26	2600 x 840 x 300	1	
2	12 cores splicing and terminating tray	YTP-01		72	
3	Adapter	SC/UPC		864	Other type can be chose for need
4	12 cores bunchy pigtail	SC/PC- 1.5m- ϕ 0.9-G65 2D		72	
5	Protective sleeve for bare fibre	ϕ 3.8		144	
6	Protective sleeve for splicing	L=40		864	
7	Cable fixing device	AR-RODF-C-840-A22-3-0		1	
8	Fiber passing unit	AR-RODF-C-840-A22-4-0		2	
9	Hose clamp	ϕ 16~25		26	
10	Expansion bolt	M10*100		4	
11	Insulating tape	SC/PC- 1.5m- ϕ 0.9-G652 D		1	
12	NYLON Cable ties	L=250		100	