WM-ODF-144SC 19'' Rack Mount Optical Distribution Frame (ODF)
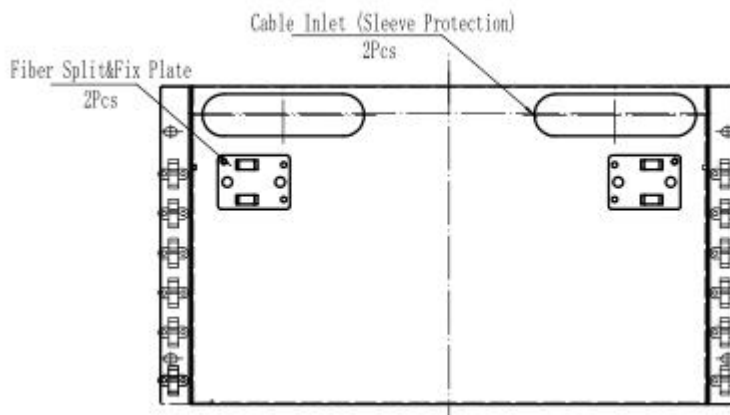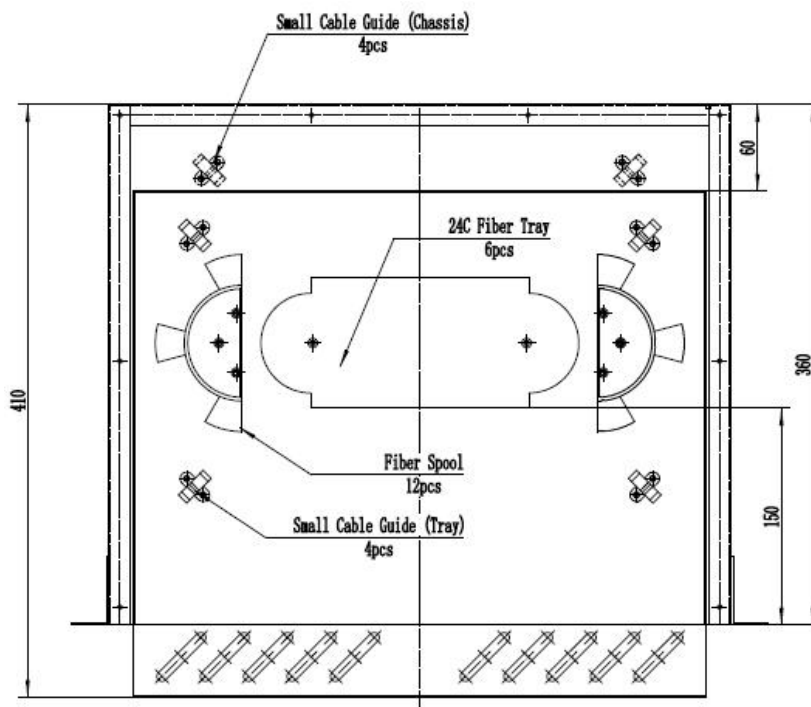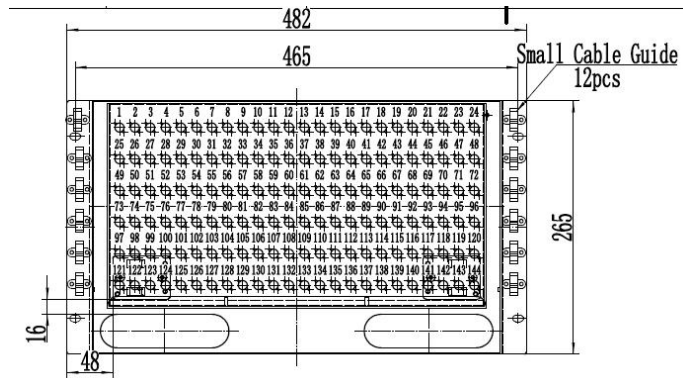
Introduction

The WM-ODF-144SC standard ODF is a high-density, high-capacity fiber management unit that integrates the splicing and distribution of optical fibers. The ODF unit has a capacity of 144cores and a height of 6U. It can be installed in a 19-inch standard rack or cabinet freely according to user needs. The ODF unit has cable fixing function, fiber protection function, fiber splicing function, wire adjustment function, and fiber core and pigtail protection. The device is flexible in configuration, easy to install and use, easy to maintain, and easy to manage.

Feature

1. 19-inch standard unit construction size, free to fit into the distribution frame cabinet.
2. The adapter panel and ODF are made of metal material, the surface is sprayed, beautiful and durable; the splice tray and the cable guide are made of PP material, which is light, flexible and durable.
3. At the rear of the ODF unit, there is a cable inlet hole and an optical cable splitting and fixing device; the optical cable is introduced from the back side and opened and peeled and fixed, and spliced with the pigtail in the splice tray, and to be terminated by devices or end user if applied.
4. The ODF unit adopts a drawer structure, which can be extracted when splicing, and reset after the operation is completed. At the same time, the pull-type device has a limiting device to prevent excessive extraction and damage the optical fiber.
5. SC/UPC adapter is available.
6. Applicable to ribbon, bundle and single core cable.

Structure Schematic

482

465

Small Cable Guide
12pcs

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144

265

16

48

Small Cable Guide (Chassis)
4pcs

24C Fiber Tray
6pcs

Fiber Spool
12pcs

Small Cable Guide (Tray)
4pcs

60

360

150

410

Cable Inlet (Sleeve Protection)
2Pcs

Fiber Split&Fix Plate
2Pcs

Parameter

Mechanical Parameter

SN	Code	Description	Dimension (H*W*D)
1	WM-ODF-144SC	144C SC/PC ODF (6U)	265mm*482mm*410mm

Working Condition

Working Temperature：-25℃～+40℃
Environment Temperature：-40℃～+60℃
Storage Temperature：-25℃～+55℃
Relative Humidity：≤85%（+30℃）
Air Pressure：70Kpa～106Kpa。

Technical Parameter

1. Standard Working Wavelength：850nm、1310nm 、1550nm
2. Insertion Loss：≤0.3dB
3. Return Loss: PC≥40dB、UPC≥50dB、APC≥60dB
4. Electric Strength: ≥3KV (DC)/1min, no breakdown, no arcing.
5. Insulation Resistance: ≥1000 MΩ/500V(DC)
6. Insertion life: 500times.

Fibering Schematic
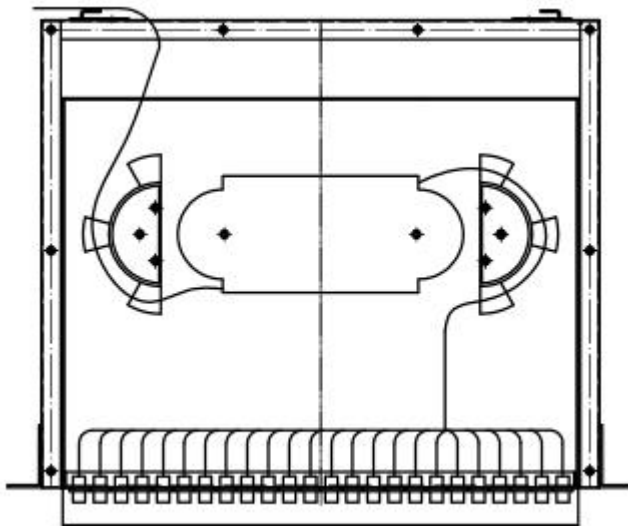
Fiber cable enters into the ODF by split & fix plate at back, and splices with pigtail inside the splice tray after passing through the fiber spool.

Accessory List

SN.	Model	Description	Unit	Quantity	Remarks	Image
1	FPC-SC/UPC-SC/UPC-S2.0-05	Jarretièrres optiques 05m	Pcs	40		
2	FPC-SC/UPC-SC/UPC-S2.0-10	Jarretièrres optiques 10m	Pcs	40		
3	FPC-SC/UPC-SC/UPC-S2.0-15	Jarretièrres optiques 15m	Pcs	20		
4	FPC-SC/UPC-SC/UPC-S2.0-20	Jarretièrres optiques 20m	Pcs	20		
5	FPC-SC/UPC-SC/UPC-S2.0-25	Jarretièrres optiques 25m	Pcs	24		
6	FPG-SC/UPC S2.0-03	Pigtails 3m	Pcs	144		
7	FSPT-10	Spiral Protection Tube	Meters	200	13 rolls	
8	FHST-45	45mm Heat Shrink Tube	Pcs	144		
9	FCC-01	Cable Clamp	Pcs	4		
10	FSNS-01	Sanp Nut & Screw	Set	4		
11	FCT-01	Cable Tie	Pcs	10		