

OPTICAL FIBRE DISTRIBUTION FRAME

NORDEN Fibre optic distribution frame is a high-capacity, high-density fibre distribution frame, suitable for the composition and distribution of fibres in optical access network to achieve the fibre optic lines connection, distribution and scheduling. It is made of top quality steel and deformed aluminum alloy and treated with galvanizing, oxidation and electrostatic plastic spraying.



FEATURES

- Fully-closed structure with the advantages of good performance of dust-proof.
- Enough space for fibre distribution and storage space and very easy for installation and operations.
- Fully front side operation, convenient for maintenance.
- Cable inlet system is installed on the top of the frame which has excellent performances for fixing the cables.
- Cables can be inlet either from the top or the bottom of the frame subject to different requirements.
- This frame is suitable for both common bundle cables and ribbon type cables.
- Reliable cable fixture cover and earth protection device provided.
- Integrated splice and distribution unit is adopted. Each unit holds up to 12 FC adapters and up to 24 SC/LC adapters. All units have specially designed slots and can be easily pulled out for operation at any time.
- Fibre separation hook of the splice and distribution module (the hook on the left) can be disassembled to fit for both wide and narrow structure frame.
- Up to 6 units make up a module (sub-rack).
- Work table is provided if one module contains 6 units. Dual SC adapters could double the capacity of Splice and distribution units' capacities to max 24 FO each.
- All adapters are installed 40 degrees inclining to the operation surface which is easier for connecting and also protect installers' eyes from the lights.
- No screw needed for installing adapters.
- Curvature radius of 40mm.

APPLICATION

- Tele Communication
- Data Center
- Industrial control
- Building automation
- Center office or far off extremity of optic access networks
- Intelligent buildings
- Remote module offices

OPTICAL FIBRE DISTRIBUTION FRAME

OPERATION CONDITIONS

Temperature	-5°C -- 60°C
Humidity	90% at 30°C
Air Pressure	70kPa – 106kPa
IP Rating	55

TECHNICAL PARAMETERS:

Nominal work wave-length	850nm, 1310nm, 1550nm
Operating temperature	-5°C--40°C
Storage temperature	-40°C +70°C
Relative humidity	≤85%(+30°C)
Atmospheric pressure	70~106 KPa
Insertion loss	≤0.2dB
Return loss	≥45dB (PC), ≥50dB(UPC), ≥60dB(APC)
Isolation resistance	≥1000MΩ/500V(DC)
Durability	>1000 times
Anti-voltage strength	≥3000V(DC)/1min

SPLICE AND TERMINATION TRAY (12 Port)

- Integrated splicing and distribution function in one module;
- Easy management and maintenance for different layer and area;
- Fibre bending radius control, assures sufficient fibre transmission characteristic for protection of the splice reliability;
- Sufficient space for storing redundant fibres
- 12 Fibre capacity;
- Support SC, FC or LC connector installation



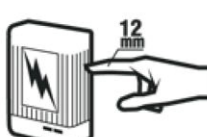


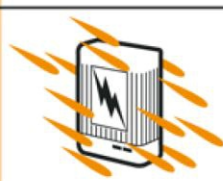


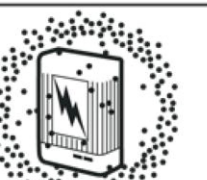

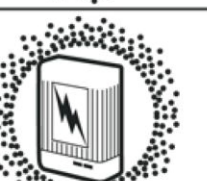





SPLICE AND TERMINATION TRAY (24 Port)

- Integrated splicing and distribution function in one module;
- Two-layer trays design, 24-fibre capacity;
- Easy management and maintenance for different layer and area;
- Assures sufficient fibre transmission characteristic for protection of the splice reliability;
- Support E2000, SC or LC connector pre-installation

OPTICAL FIBRE DISTRIBUTION FRAME

IP (INGRESS PROTECTION) RATING

SOLIDS		WATER	
1	 <p>Protected against a solid object greater than 50 mm such as a hand.</p>	1	 <p>Protected against vertically falling drops of water. Limited ingress permitted.</p>
2	 <p>Protected against a solid object greater than 12.5 mm such as a finger.</p>	2	 <p>Protected against vertically falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted.</p>
3	 <p>Protected against a solid object greater than 2.5 mm such as a screwdriver.</p>	3	 <p>Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted for three minutes.</p>
4	 <p>Protected against a solid object greater than 1 mm such as a wire.</p>	4	 <p>Protected against water splashed from all directions. Limited ingress permitted.</p>
5	 <p>Dust Protected. Limited ingress of dust permitted. Will not interfere with operation of the equipment. Two to eight hours.</p>	5	 <p>Protected against jets of water. Limited ingress permitted.</p>
6	 <p>Dust tight. No ingress of dust. Two to eight hours.</p>	6	 <p>Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities.</p>
<p>Rating</p> <p>IP55</p> <p>INGRESS PROTECTION</p>		7	 <p>Protection against the effects of immersion in water between 15 cm and 1 m for 30 minutes.</p>
		8	 <p>Protection against the effects of immersion in water under pressure for long periods.</p>

OPTICAL FIBRE DISTRIBUTION FRAME

ODF SUB-RACK

- 19 inch standard chassis;
- Max. 6 pcs splice and termination tray configuration;
- 72 or 144 cores splice and termination capacity;
- Suitable for the installation in optical fibre distribution frame up to 10 ODF Sub-Rack



DIMENSIONS AND CAPACITY

Sub-rack	Max Capacity (FC/SC)	Max Capacity (LC)	Dimensions(H*W*D)
10	720	1440	2600*840*300
7	576	1152	2200*840*300
8	504	1008	2000*840*300

*Customized designs with required number of fibre ports are available upon request

OPTIONAL ELEMENTS

- Hardware to fasteners, and fastening to the number of fibre needed can be offered on request.
- Elements to protect buffers depending on the number of cables needed can be offered on request.
- Accessories such as screws, nut, fasteners for raiser floor or concrete floor can be offered on request.

ORDERING INFORMATION

Part Number	Discription	Dimension(mm)
601-31SC0504X	504 Port SC Type Simplex fibre optic distribution frame	2000x840x300
601-21SC0576X	576 Port SC Type Simplex fibre optic distribution frame	2200x840x300
601-11SC0720X	720 Port SC Type Simplex fibre optic distribution frame	2600x840x300
601-31FC0504X	504 Port FC Type Simplex fibre optic distribution frame	2000x840x300
601-21FC0576X	576 Port FC Type Simplex fibre optic distribution frame	2200x840x300
601-11FC0720X	720 Port FC Type Simplex fibre optic distribution frame	2600x840x300
601-32LC1008X	1008 Port LC Type Duplex fibre optic distribution frame	2000x840x300
601-22LC1152X	1152 Port LC Type Duplex fibre optic distribution frame	2200x840x300
601-12LC1440X	1440 Port LC Type Duplex fibre optic distribution frame	2600x840x300