

# HIGH-DENSITY FIBRE OPTIC DISTRIBUTION FRAME

Norden High-Density Fibre Optic Distribution Frame provides Flexible Cabling access, an expandable frame concept, integrated cable management, and a Future-proof modular design with the highest termination capacity possible and superior cable management. The high-density side access type of patch panel is also designed to fit a variety of termination, splice, and storage applications.



## FEATURES

- Designed to be used together with high-density side access type patch panels
- Lockable front door
- Enhanced visual appearance
- Highly stable and rigid construction
- Standard 19" & ETSI installations
- Maximum fibre density of 2016 ports (splice & patch) and superior cable management
- Slot type cable guide compartments to feed the modules via miniflex/Standard Protection tubes
- Wide range of splice, patch, and cable storage options
- Bend radius protection of the 35 mm throughout entire frame and all modules
- Max cable protection
- Interchangeable cassettes for various cable/tube counts and connector styles
- Compatible with Micro splitter
- Integral patch cords management
- Compliance to GR-449-core of Telcordia Specification

## APPLICATION

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

## DISTRIBUTION FRAME DESIGN & MATERIALS

Material	Cold rolled steel; Powder coated
Material Thickness	front doors and rear panel: 1.5mm, other: 2.0mm
IP Rating	IP 20
Maximum Port Capacity	2016 Port (Splice & Patch)
Cable Entry	Top & Bottom
Cable Entry port type	Rectangle Hole with Brush
Maximum Supported Sub racks	14 * 3U Patch Panel
Operating Temperature	-5°C to - 60°C
Humidity	90% at 30°C
Air Pressure	70kPa – 106kPa
Frame Size	47U
Colour	RAL 7035
Weight	120 Kg /empty

\*Customized designs are available upon request

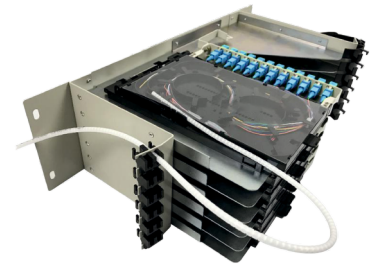
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## ODF SUB-RACK

Norden ODF (Optical Distribution Frame) rack mount patch panel is compatible with the most advanced splice & patch system and cable management ever developed for high-density applications on carrier & transmission side.

### FEATURES:

- Compact 3U patch panel, each U accommodates 2 fibre trays
- Each U accommodates 2 fibre trays with each max. Capacity of 24 fibers
- Max capacity of the patch panel is 144 fibres for SSF Duplex adapters
- Patch Panels are rear-mounted for improved access
- Fibre trays and connected patch cords can slide in and out independently as a pull-out unit
- Easy side access ensures laser safety
- Special splice module design, which allows splicing on one side and professional cable storage on the other side without cable congestion
- Modules are tiltable up to 135 degree for ease of installation and maintenance
- Special incoming cable fixing unit which ensures strong, easy, and quick cable fixing for miniflex /Standard tubes-no need to use time-consuming plastic cable ties
- Integrated outgoing patch cords clamps and routing guides, which ensure min bend radius criteria of 35mm and professional cable management



## ODF SUB-RACK DESIGN & MATERIAL

Material	Cold rolled steel; Powder coated
Size	3U
Storage temperature	-40°C +70°C
Termination Tray	Max. 6 pcs
Panel Capacity (One Sub Rack)	SC:72Core, LC:144 core
Adaptor	SC-Simplex, LC-Duplex (without Flange)
Colour	RAL 7035
Weight	4 Kg

\*Customized "U" Sizes are available upon request

## ACCESSORIES:

Distribution Frame		
No.	Item	Qty
1	Cable management	15 no's
2	Standard Protection Tube (SC-1008 Cores)	250 Mtr
3	Standard Protection Tube (LC-2016 Cores)	400 Mtr
ODF Sub Rack		
1	Heat Shrink Sleeves	-

# HIGH-DENSITY FIBRE OPTIC DISTRIBUTION FRAME

## ORDERING INFORMATION:

### DISTRIBUTION FRAME

Part Number	Description	Dimension(mm)
NC06-1FD2016X	High-Density Fibre Distribution Frame - Unloaded	2200(H) x900(W)x300(D)

### ODF- SUB-RACK

Part Number	Description
NC06-ODF3ULC2X	ODF-Sub-Rack 3U -LC/UPC Loaded with Adaptor and Pigtails
NC06-ODF3USC3X	ODF-Sub-Rack 3U -SC /APC Loaded with Adaptor and Pigtails