



ODF – The NCD513 Series, Terminated

Optical Distribution Frame - Pre-terminated

Features

- 2 U, 19" or ETSI mount
- Integrated patch guide option (within 2U)
- Small depth 25 mm (within ETSI)
- Up to 96 fiber connections
- Front service
- Supports SC and LC adapters, UPC or APC versions
- Pre-connected factory tested connector performance
- 2 different cable options

Application

Pre-terminated units are excellent for dense medium to very high number of terminations where rational and fast roll out is critical such as in FTTx networks.

The opened end of the cable is fused either in a splice cabinet on site where the incoming fibers can be rearranged to any ODF-port or in a manhole outside plant. By eliminating the pigtail splicing the method is both easier and faster to splice and increases the quality of the ODFs optical performance. For large roll outs the actual spreading of work space allows for parallel work to be performed both in the splice point and in the rack end.

Many times a change of cable sheath between outdoor and indoor cable has to be done and by using pre connected ODFs one splice point can often be eliminated.

Design

The installed pre-terminated cable is available in two different versions to suit most installation scenarios and applications:

- Micro cable indoor for on site splicing up to 100 m
- Traditional concentric core loose tube cable with indoor/outdoor sheath enabling splicing in nearby manholes up to 300m

The internal connectors are directly connected to the fiber without splicing to ensure minimum losses.

The termination unit comprises a chassis, a drawer with front panel for the desired connector type, two angled mounting brackets and a cover.

The mounting brackets fit the chassis in three different locations for various mounting depth.

By turning the brackets the unit will fit either 19" or ETSI rack. The brackets also permit wall mounting.

The horizontal cable guide (NTM 502 11) can easily be integrated onto the ODF unit within the 2U and will not further increase the height of the unit. The front panel is foldable forward to facilitate maintenance (cleaning etc.) of the inside located connectors.

The optical performance of the ODF connections used in the Hexatronic systems is ensuring the right quality and stability over time.

Product Information

The termination unit is made of painted Aluzinc sheet steel. All products are in accordance with RoHS.

Technical Information

Product Color	Coral white
Insertion Loss, max [dB]	0.30
Return Loss, min [dB]	SC/UPC & LC/UPC: 50, SC/APC & LC/APC: 60
Technical Notes	The cable enters from the back on the right side.

Articles

Article name	Color	No. of Fibers	Layout	Dimensions [mm]	Weight [kg]	Length [m]
ODF 96 SC/APC GNHQBDU NCD5138040/010D	White	96	96xSC/APC	400 × 249 × 86	6.6	10
ODF 96 SC/APC GNHQBDU NCD5138040/020D	White	96	96xSC/APC	400 × 249 × 86	7.2	20
ODF 96 SC/APC GNHQBDU NCD5138040/050D	White	96	96xSC/APC	400 × 249 × 86	9.1	50
ODF 96 SC/APC GNHQBDU NCD5138040/100D	White	96	96xSC/APC	400 × 249 × 86	12.2	100
ODF 96 LC GNHQBDU NCD5138047/010D	White	96	96xLC	400 × 249 × 86	6.4	10
ODF 96 LC GNHQBDU NCD5138047/020D	White	96	96xSC	400 × 249 × 86	6.8	20
ODF 96 LC GNHQBDU NCD5138047/050D	White	96	96xLC	400 × 249 × 86	8	50
ODF 96 LC GNHQBDU NCD5138047/100D	White	96	96xLC	400 × 249 × 86	9.9	100
ODF 96 SC GNHQBDU NCD5138050/010D	White	96	96xSC	400 × 249 × 86	6.6	10
ODF 96 SC GNHQBDU NCD5138050/020D	White	96	96xSC	400 × 249 × 86	7.2	20
ODF 96 SC GNHQBDU NCD5138050/050D	White	96	96xSC	400 × 249 × 86	9.1	50
TODF 96 SC GNHQBDU NCD5138050/100D	White	96	96xSC	400 × 249 × 86	12.2	100
ODF 48 SC GNHQBDU NCD5138051/010D	White	48	48xSC	400 × 249 × 86	6.5	10
ODF 48 SC GNHQBDU NCD5138051/020D	White	48	48xSC	400 × 249 × 86	7	20

Article name	Color	No. of Fibers	Layout	Dimensions [mm]	Weight [kg]	Length [m]
ODF 48 SC GNHQBUDU NCD5138051/050D	White	48	48xSC	400 × 249 × 86	8.5	50
ODF 48 SC GNHQBUDU NCD5138051/100D	White	48	48xSC	400 × 249 × 86	10.9	100
ODF 24 SC GNHQBUDU NCD5138053/050D	White	24	24xSC	400 × 249 × 86	7.4	50
TERM.UNIT 48 SC GRHQBDUV 20M (R) NCD5138078/020D	White	48	48xSC	400 × 249 × 86	8.6	20
TERM.UNIT 48 SC GRHQBDUV 100M (R) NCD5138078/100D	White	48	48xSC	400 × 249 × 86	19	100
TERM.UNIT 48 SC GRHQBDUV 200M (R) NCD5138078/200D	White	48	48xSC	400 × 249 × 86	65.7	200
TERM.UNIT 48 SC GRHQBDUV 250M (R) NCD5138078/250D	White	48	48xSC	400 × 249 × 86	72.2	250