

ODF, 2U Pre-terminated – NCD 513 80+

Optical Distribution Frame



The benefits of pre-fabricated ODFs are better controlled quality and shorter installations. This is especially important in larger roll outs.

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
- 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.

The installed pre-connectorized 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 (Typically FTTx)
- Traditional concentric core loose tube cable with indoor/ outdoor sheath enabling splicing in nearby manholes up to 300m. (General application)



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Design

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.

Specifications

Material

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

Cable entrance

The cable enters from the back on the right side.

Connectors

The most common connector options are supported e.g. SC, SC/APC and LC.

Size, Weight and Color

Weight5 kg + (depending on cable type)

Dimensions (HxWxD) 86x440x249 mm

ColorCoral white

Connector Performance for Single Mode (SM)

CONNECTOR	INSERTION LOSS DB	RETURN LOSS DB
SC, LC	av. 0.2 max 0.5	50
SC/APC	av. 0.2 max 0.5	60

Ordering Information

ODF with Micro cable concentric core, loose tube, indoor cable sheath (GNHQBDUV)

This Pre-terminated ODF is used typically for shorter installations indoor. The opened end should be spliced in a cabinet or splice tray system normally located within 100 m. The cable construction is concentric core loose tube, green flame-retar-

-dant halogen-free (LSZH PE) sheath material. The slim cable construction is dry and contains no water blocking material. For details of the micro cable see separate data sheath (TOL 405 9011). The ODF is delivered in a cardboard box. For longer length and outdoor applications the version described below should be used.

Micro Cable Indoor (GNHQBDUV)

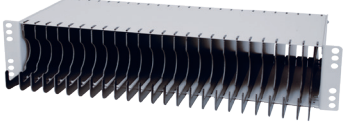
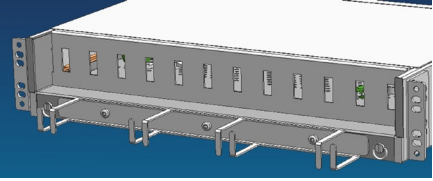
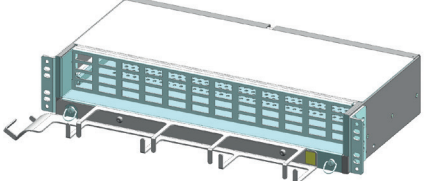


PRODUCT NUMBER/CABLE LENGTH ¹	NO. OF CONNECTORS	CONNECTOR TYPE	CABLE DIAMETER (MM)	NO. FIBERS/TUBE
NCD5138053 / xxxD	24	SC	7.7	12 f / 2 t
NCD5138051 / xxxD	48	SC	7.7	12 f / 4 t
NCD5138050 / xxxD	96	SC	8.6	12 f / 8 t
NCD5138094 / xxxD	24	SC/APC	7.7	12 f / 2 t
NCD5138095 / xxxD	48	SC/APC	7.7	12 f / 4 t
NCD5138040 / xxxD	96	SC/APC	8.6	12 f / 8 t
NCD5138047 / xxxD	96	LC	8.6	12 f / 8 t

¹) The ODF-units are available in fixed length intervals described by the suffix / xxxD e.g. 020D equals 20 m. Excess cable is either looped or cut to the desired length. The available intervals are /xxx = 010, 020, 050 and 100 meter for these ODFs.



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Accessories

	PRODUCT NUMBER	DENOMINATION / COMMENT
	NBL 323 01	Storage unit (H= 88 mm within 2 U, 24 magazine x 1 row) For excess length of patches incl. horizontal patch guide
	NTM 502 11	Horizontal patch guide integrated on ODF, straight (H=27mm)
	NTM 502 12	Horizontal patch guide integrated on ODF, with radius limiter on left hand side for use in MMF (H=27mm)
	LTT 179 001 1/LTT 179 001	Connector cleaner, UPC and APC 6 x Clean refill for LTT 179 001
	LFS 150 101 LFS 150 102	200 x Cleaning stick 2.5 mm (SC, FC, ST, E2000) 200 x Cleaning stick 1.25 mm (SFF-connectors LC, MU etc.)