# ODF 1.5U, Cable Installation – NCD 513 02+

Optical Distribution Frame

This unit is intended for termination of field installed optical fiber cables to the ODF panel.

## Features

- 1.5U for 19" or ETSI mount
- Small depth 250 mm (within ETSI)
- Up to 48 fibers (using 24 x SC duplex cut out slots)
- Front serviced
- Supports SC, FC, ST and LC adapters

## Application

The 1.5 U high unit is used for small to medium number of terminations. The unit is typically used for sites where the incoming cable (up to 48 fibers) allows to be terminated directly in the ODF. The ODF supports a wide selection of connector and incoming cable options.

## Design

The unit is suitable for the installation of pigtails or pre-connectorized cables. An installation kit with all the necessary holders for splice protection sleeves, strain relief holders, etc is available (not included).

A horizontal patch guide (0.5 U) to be mounted underneath the ODF is available as an optional accessory.

The termination unit comprises a chassis, a drawer with front panel, a combined cable entrance/strain relief, two angled mounting brackets and a cover. All done in a modular way for front serviced time saving installations and maintenance.

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


© Hexatronic Cables & Interconnect Systems AB
info@hexatronic.com
www.hexatronic.com
+46 10 453 02 00

## Specifications

### Entrances

The termination unit can be fitted with cable entrances for up to 4 cables with maximum outer diameter of 20 mm, two from each side, located at the rear

### Material

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

### Connector Performance SC/APC

Typical/Max attenuation.....≤0.15dB/≤0.30dB
Return Loss .....>60dB

### Size, Weight and Color

Weight .....3.7 kg

Dimensions excl. brackets
(HxWxD) .....66 x 440 x 249 mm

Color.....Coral white

## Ordering Information

### Basic versions

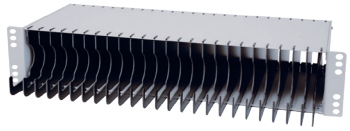
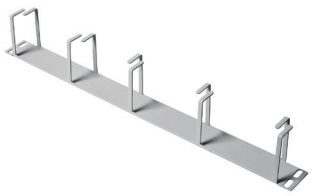
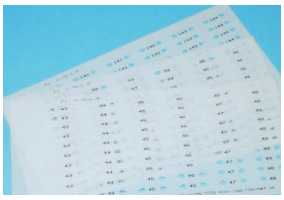
The different versions and configurations of the termination unit type NCD 513 02 & 03 are shown in the chart below. Adaptors are not included. "Blind plugs" are available to cover empty adapter slots in case of adaptation to lower numbers of connections.

| PRODUCT NUMBER | CUT OUT TYPE | NO. OF SLOTS IN THE FRONT | MAXIMUM NO. OF FIBER CONNECTIONS |
|---|---|---|---|
| NCD 513 0211 | SC-Duplex | 12 | 24 |
| NCD 513 0212 | SC-Duplex | 18 | 36 |
| NCD 513 0213 | SC-Duplex | 24 | 48 |
| NCD 513 0213/96LC | LC-Quadruplex | 24 | 96 |
| NCD 513 0303 | ST or FC (D-shape) | 24 | 24 |

*SC-duplex fits in LC-quadruplex

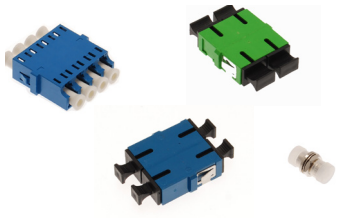

© Hexatronic Cables & Interconnect Systems AB
info@hexatronic.com
www.hexatronic.com
+46 10 453 02 00

## Accessories

| | PRODUCT NUMBER | DENOMINATION / COMMENT |
|---|---|---|
|  | NBL 323 01 | Storage unit (H= 88 mm within 2U, 24 magazine x 1 row) For excess length of patches<br>incl. horizontal patch guide |
| | 02/NCD 513 | Horizontal patch guide for termination unit (H=22mm, 0.5 U) 19" width<br>(ETSI with included extension brackets) |
|  | NTM 504 036 | Horizontal patch guide mount below ODF (H=44mm, 1U) General purpose large capacity<br>19" width only |
| | LTT 179 001<br>1/LTT 179 001 | Connector cleaner, UPC and APC<br>6 x Clean refill for LTT 179 001 |
| | LFS 150 101<br><br>LFS 150 102 | 200 x Cleaning stick 2.5 mm (SC, FC, ST, E2000)<br><br>200 x Cleaning stick 1.25 mm (SFF-connectors LC, MU etc.) |
| | NTM 503 83 | Installation kit (one per unit required) containing:<br>• Splice sleeve holders (2pcs)<br>• Fiber tail guides<br>• Installation Instruction |
|  | SVK 121 02 | 10 x Marking kit 1-48 |


© Hexatronic Cables & Interconnect Systems AB
info@hexatronic.com
www.hexatronic.com
+46 10 453 02 00

## Accessories

| | PRODUCT NUMBER | DENOMINATION / COMMENT |
|---|---|---|
|  Examples of adapter types | RNT 992 11/13<br>RNT 992 11/23<br>RNT 992 15/13<br>RNT 992 22/15<br>RNT 992 22/16<br>RNT 992 90/1<br>RNT 992 01/1<br>RNT 992 01/2 | Adaptor SC-duplex blue<br>Adaptor SC / APC-duplex green<br>Adaptor SC.duplex beige (MM)<br>Adaptor LC-quadruplex blue<br>Adaptor LC / APC-quadruplex green<br>Adaptor ST<br>Adaptor FC<br>Adaptor FC/APC |
| | NDM 501 902<br>NDM 501 903 | 6 x Plugs for SCD slots<br>6 x Plugs for FC, ST slots |
| Example of pigtail type LC | TSR3950423/2000<br>TSR3950426/2000<br>TSR3950414/2000<br>TSR3950433/2000 | Standard grade (Singel Mode)<br>Pigtail 0.9 mm SC, 2 m<br>Pigtail 0.9 mm SC/APC, 2 m<br>Pigtail 0.9 mm LC, 2 m<br>Pigtail 0.9 mm LC/APC, 2 m<br>For optical performance, or Multimode options - see separate data sheeths |
| Example of Fan-out type 4xSC | TSR 395 0623/2800<br>TSR 395 0626/2800<br>TSR 395 0614/2800<br>TSR 395 0633/2800 | Standard grade (Singel Mode)<br>Fan-out tail 4x SC, 2.8 m<br>Fan-out tail 4x SC/APC, 2.8 m<br>Fan-out tail 4x LC, 2.8 m<br>Fan-out tail 4x LC/APC, 2.8 m<br>For optical performance, or Multimode options - see separate data sheeths |
| | NTA 162 12/72<br>NTA 162 12 /22<br>NTA 162 12/41 | 100 x Splice sleeve 1f, l=40mm<br>100 x Splice sleeve 1f, l=60mm<br>50 x Splice sleeve 2-8 f, l=40mm (ribbon) |


© Hexatronic Cables & Interconnect Systems AB
info@hexatronic.com
www.hexatronic.com
+46 10 453 02 00