HEXATRONIC
Cables & Interconnect Systems

ODF 1U, Air Blown Fiber – NCD 520 0013

Optical Distribution Frame

This unit is intended for termination of air blown fiber units (EPFU) in micro-ducts as well as traditional cables.

Features

- 1U for 19" standard width
- Small depth 280 mm
- Up to 48 fibers (using 24 x SC duplex cut out slots)
- Front serviced
- Supports SC, MT-RJ, E2000 and LC adapters
- Up to 48 Micro-ducts (ABF)

Application

The unit is typically used in FTTh networks for sites close to the Central Office or where any distributed 19" rack system is used or as a standard 1U field installed ODF.

Design

The incoming ducts enter the unit from behind. The unit is suitable for incremental blowing to or from the ODF since it is fully serviced from the front. The fibers coming in to the unit can be either spliced to pigtails within the ODF or if blown with pre-connected EPFU from the ODF spliced elsewhere.

All the necessary holders for splice protection sleeves, strain relief holders, etc is included. Splice sleeves, adapters and pig tails / fan outs are selected optional to suit the current need.

Horizontal patch guides or storage units to be mounted underneath the ODF is available as optional accessories.

The termination unit comprises a chassis, a drawer with front panel, duct holders, and a cover. The mounting brackets fit both 19"-standard mount and metric (ETSI) mounting holes.

The inside connectors are easily reached for maintenance from both upper and lower sides after opening the drawer. All done in a modular way for front serviced time saving installations and maintenance.

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

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Specifications

Entrances

The multi-ducts or cable enter the termination unit from the left side. Several multi-ducts of various sizes can enter the 90 x 38 mm sized inlet. The internal duct holders are designed for 5mm micro-ducts.

Material

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

Size, weight and color

Weight .... 4.4 kg
Dimensions excl. brackets
(HxWxD) .... 44 x 450 x 280 mm
Color .... Coral white

Ordering Information

Basic versions:. Adaptors are not included. "Blind plugs" are available to cover empty adapter slots in case of adaptation to lower numbers of connections.

PRODUCT NUMBER	TYPE	NO. OF SLOTS IN THE FRONT	MAXIMUM NO. OF FIBER CONNECTIONS
NCD 520 0013	SC-Duplex	24	48

1 LC-duplex fits in panel with SC cut out, LC-quadruplex and MTRJ-duplex fits in panel with SC-duplex cut out

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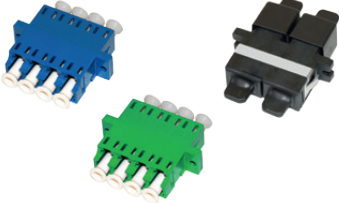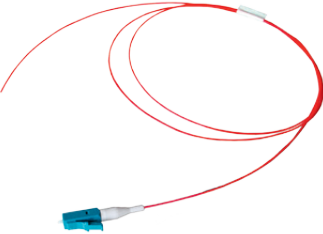© Hexatronic Cables & Interconnect Systems AB

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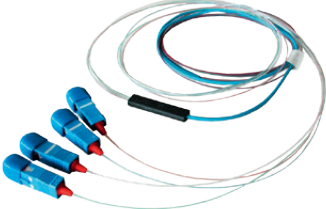
Accessories

	PRODUCT NUMBER	DENOMINATION / COMMENT
	NBL32301	Storage unit (H= 88 mm within 2U, 24 magazine x 1 row) For excess length of patches incl. horizontal patch guide
	02/NCD 513	Horizontal patch guide for termination unit (H=22mm, 0.5 U) 19" width (ETSI with included extension brackets)
	NTM 504 036	Horizontal patch guide mount below ODF (H=44mm, 1U) General purpose large capacity 19" width only
	LTT 179 001 1/LTT 179 001 LTT 179 001/1 1/LTT 179 001/1	Connector cleaner, UPC and APC 6 x Clean refill for LTT179001 Anti-stat connector cleaner, MU,LC,MT,MP 6 x Clean refill for LTT179001/1
	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.)
	SVK 121 02	10 x Marking kit 1-48
	51/BYB501	4 x Screws and captive nuts for Rack mount

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Accessories

	PRODUCT NUMBER	DENOMINATION / COMMENT
Examples of adapter types	RNT 992 11/13	Adaptor SC-duplex blue
	RNT 992 11/23	Adaptor SC / APC-duplex green
	RNT 992 15/13	Adaptor SC.duplex beige (MM)
	RNT 992 94/4	Adaptor E2000-duplex blue
	RNT 992 95/4	Adaptor E2000 / APC-duplex green
	RNT 992 22/15	Adaptor LC-quadruplex blue
	RNT 992 22/16	Adaptor LC / APC-quadruplex green
	RNT 992 01/1	Adaptor MTRJ-duplex black (MM)
	NDM 501 902	6 x Plugs for SCD slots
Example of pigtail type LC		**High grade (Singel Mode):**
	TSR3920101/2000	Pigtail 0.9 mm SC/APC, 2 m
	TSR3910180/2000	Pigtail 0.9 mm LC, 2 m
	TSR3920106/2000	Pigtail 0.9 mm LC/APC, 2 m
	TSR3910169/2000	Pigtail 0.9 mm E2000, 2 m
	TSR3920105/2000	Pigtail 0.9 mm E2000/APC, 2 m
		Standard grade (Singel Mode)
	TSR3950423/2000	Pigtail 0.9 mm SC, 2 m
	TSR3950426/2000	Pigtail 0.9 mm SC/APC, 2 m
	TSR3950414/2000	Pigtail 0.9 mm LC, 2 m
	TSR3950433/2000	Pigtail 0.9 mm LC/APC, 2 m
		For optical performance, or Multimode options - see separate data sheets
Example of Fan-out type 4xSC		**High grade (Singel Mode):**
	TSR3914135/2800	Fan-out tail 4x SC, 2.8 m
	TSR3924101/2800	Fan-out tail 4x SC/APC, 2.8 m
	TSR3914180/2800	Fan-out tail 4x LC, 2.8 m
	TSR3924106/2800	Fan-out tail 4x LC/APC, 2.8 m
		Standard grade (Singel Mode)
	TSR3950623/2800	Fan-out tail 4x SC, 2.8 m
	TSR3950626/2800	Fan-out tail 4x SC/APC, 2.8 m
	TSR3950614/2800	Fan-out tail 4x LC, 2.8 m
	TSR3950633/2800	Fan-out tail 4x LC/APC, 2.8 m
		For optical performance, or Multimode options - see separate data sheeths
	NTA 162 12/72	100 x Splice sleeve 1f, l=40mm
	NTA 162 12 /22	100 x Splice sleeve 1f, l=60mm
	NTA 162 12 /41	50 x Splice sleeve 2-8 f, l=40mm (ribbon)

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