Fiber Access Terminal/Distribution Hub – Underground

NCD 507 500 – For up to 96 End Users

Features

- Compact, lightweight and robust design
- Can be installed directly into ground or in concrete manhole
- Includes patch panel for 96 LC
- Includes holders for up to three splitter modules
- Unique support for all kind of cabling solutions;
  - air-blown fiber in microducts
  - micro cables
  - drop cables
  - traditional cables
- Mid-span storage for distribution cable
- Optional swing-up arm facilitates installation and expansion

Application

The NCD 507 500 is used as an underground distribution point in fiber access networks. The closure can be configured either as a Fiber Access Terminal (FAT) or Fiber Distribution Hub (FDH). When configured as a FAT, the internal patch panel with up to 96 positions for LC connectors is used to allow for flexible cross connect. When adding splitter modules, the closure can be used as a full-fledged FDH. The closure is designed for air-blown fibers in microducts, drop cables, micro cables and traditional fiber optic cables.

Design

The closure consists of an outer polymer dome, a base plate an internal bracket equipped with splice trays, microduct and cable holders. In addition, the closure is equipped with a panel for up to 96 LC and a holder for up to three splitter modules of type RDJ 901+.

Microducts or drop cables (up to Ø5mm) are securely arranged in the microduct holders. Water blocking microduct sealing or micro cable sealing is required for installation (optional accessories).

The closure is delivered with 8 fiber organizers. Each organizer handles up to 24 single splice sleeves.

The base plate has one oval port for mid-span (uncut) cables and six round ports for cables or microduct assemblies. The optional micro cable entrance kits allows for up to 8 micro cables to be inserted in the oval port and up to 4 micro cables in each round port. The total capacity when using 5 mm microducts in the round ports is 96.

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Typical Data

Material

The outer cabinet is made of black high crush resistant polymer. The internal bracket is made of metal.

Size and weight

Weight ....4 kg
Dimensions.............................280x520 mm

IP rating

IP68, 3 m

Ordering Information

PRODUCT NUMBER	TYPE
NCD 507 500	Complete Closure with Splice Trays and Heat Shrink Sealing's for Cables

Accessories/Spare Parts

PRODUCT NUMBER	TYPE
RDJ 901 200+	Splitter Modules, Short Tail, Range From 1x2, to 2x64, See Separate Product Information for RDJ 901 200
NDM 110 16/1	10xRound Micro Cable Entrance
NDM 110 17/1	5xOval Micro Cable Entrance
NDM 110 18/1	10xRound Microduct Entrance
NSD 515 201	Swing-up Arm for Installation in Manholes
RNT 992 22/13	LC-duplex adapter, green w/o flange
RNT 992 10/23	SC-simplex adapter, green w/o flange

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