

# Network Products

## FIBER ACCESS TERMINALS AND FIBER TERMINATION BOXES

Hexatronic Fiber Splicing Cabinets and Fiber Access Terminals (FAT) are designed for Air Blown Fibers, nano cables, micro cables and for change over from fibers emerging from microducts or drop cables to all types of fiber optic distribution cables. The cabinets consist of jointing cabinets and joint closures that are designed for easy access and good protection of fibers. Products for direct splicing of distribution and drop cabling sections as well as closure with connection panels are available.

### Fiber Splicing Cabinet – FAT, Small

Small sized cabinet intended for fiber splicing and termination of up to 48 microducts (subscribers) or drop cables. The supplied fiber organizers can typically handle up to 96 fibers. 5 mm duct holders are included. 3mm or 7 mm microducts can be installed by using an optional accessory.

**DESIGN:** Indoor splicing cabinet  
**TYPE:** Metal, 19", ETSI or wall mount, IP45  
**DIMENSIONS:** 350x300x120 mm  
**CAPACITY:** 96 splices, 48 microducts 5/3.5 mm



Product No.	Product Name
NCD5188002	Fiber Jointing Cabinet for up to 48 microducts

### Fiber Splicing Cabinet – FAT, Medium

Medium-sized cabinet designed for fiber splicing and termination of up to 96 microducts (5 mm) or drop cables. The organizers typically handle up to 192 fibers. 5 mm duct organizers are included. 3mm or 7 mm microducts can be installed by using an optional accessory.

**DESIGN:** Indoor splicing cabinet  
**TYPE:** Metal, 19", ETSI or wall mount, IP45  
**DIMENSIONS:** 440x300x160 mm  
**CAPACITY:** 192 splices, 96 microducts 5/3.5 mm



Product No.	Product Name
NCD5188004/3	Fiber jointing cabinet for up to 96 microducts, wall mounting or 19" rack, 8 small organizers
NCD5188004/2	Fiber jointing cabinet for up to 96 microducts, wall mounting or 19" rack, 4 large organizers

### Fiber Splicing Cabinet – FAT, Large

Large cabinet suitable for fiber splicing and termination of up to 192 microducts (5 mm) or drop cables. The supplied fiber organizers can typically handle up to 384 fibers. 5 mm duct organizers are included. 3 mm or 7 mm microducts can be installed by using an optional accessory.

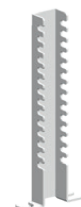
**DESIGN:** Indoor splicing cabinet  
**TYPE:** Metal, 19", ETSI or wall mount, IP45  
**DIMENSIONS:** 440x600x220 mm  
**CAPACITY:** 384 splices, 192 microducts 5/3.5



Product No.	Product Name
NCD5188003	Fiber Jointing Cabinet for up to 192 microducts, wall mounting or 19" rack

### Accessories for Fiber Splicing Cabinets NCD518 8+

Product No.	Product Name
SXA1139515/1	3mm duct organizer for NCD518, for 28 microducts each
HSXA136103/1	7mm duct organizer for NCD 518, for 96 microducts each



## Fiber Jointing Cabinet – High Capacity

This high capacity cabinet is intended for handling cable splices between incoming cables entering the central office and the cables from pre-terminated ODFs. The cabinet can be wall mounted or mounted in a 19" or ETSI rack.

**DESIGN:** Indoor splicing cabinet  
**TYPE:** Metal, 19", ETSI or wall mount, cable installation  
**DIMENSIONS:** 440x600x220 mm  
**CAPACITY:** 768 splices (single fiber) or 2600 splices (8-f ribbon)



Product No.	Product Name
NCD5188005	Fiber Jointing Cabinet 786
NTM503023	External strain relief kit

## Fiber Jointing Cabinet – Small

This extra small cabinet is useful for smaller sites. It is intended for wall mounting. The cabinet includes 2 splice trays. To increase the splice capacity, 6 additional trays can be added (optional accessories).

**DESIGN:** Indoor splicing cabinet  
**TYPE:** Metal, wall mount, cable installation  
**DIMENSIONS:** 350x300x130 mm  
**CAPACITY:** 24 to 96\* splices (single fiber) or 48 to 192\* splices (4-f ribbon)  
 \* With additional splice trays (optional)



Product No.	Product Name
NCD5181098	Cabinet for fiber splicing only, wall mount, incl. 2 splice trays and solid panel

## Fiber Splicing Cabinet

This is a medium sized cabinet for both traditional 5 mm microducts and 7 mm thick walled ducts. The closure is intended for mounting inside an outer protective cabinet or for indoor use.

**DESIGN:** Splicing cabinet for indoor or outdoor use  
**TYPE:** Metal, in cabinet or wall mount  
**DIMENSIONS:** 289x493x140 mm  
**CAPACITY:** 96 (single)/192 (ribbon) splices, 96 microducts, 5/3.5 or 7/3.5 mm



Product No.	Product Name
NCD5188006	Fiber jointing cabinet for up to 96 microducts, for cabinet or wall mounting

## Fiber Access Terminal, Indoor or Outdoor

FATs for indoor or outdoor applications with up to 24 end-user connections. It can handle air-blown fiber in microducts, micro cables as well as drop cables and other fiber optic cables. It can also be used as a fiber optic splice box for various applications. The closure handles both 5 mm and 7 mm microducts. 3 mm microducts can be installed using the optional accessory.

**DESIGN:** Splicing cabinet for indoor or outdoor use  
**TYPE:** Plastic, wall or pole mount, IP 54 (Indoor), IP56 (Outdoor)  
**DIMENSIONS:** 368x275x114 mm  
**CAPACITY:** 24 microducts/Splices/Connectors (SC)



Product No.	Product Name
1/NCD507200/1	FAT 24 Indoor excluding adapters
1/NCD507200/2	FAT 24 Indoor with 24 SC/APC adapters
2/NCD507200/1	FAT 24 Outdoor excluding adapters
2/NCD507200/2	FAT 24 Outdoor with 24 SC/APC adapters
SXA1139518/1	3mm duct organizer for FAT 24, for 24 microducts

## Fiber Splicing Cabinet FAT – Street Cabinet

Outdoor street cabinet designed for blown fiber or cable splicing. It consists of an outer cabinet and can be equipped with an inner splice closure compartment, complete with splice trays and organizers for 5 mm and 7 mm microducts. The cabinet is made of aluminum or AluZinc. The cabinet can be used with traditional microducts, thick walled ducts or any type of fiber optic cables.

**DESIGN:** Splicing cabinet for outdoor use  
**TYPE:** Aluminium or AluZinc, above ground, IP54  
**DIMENSIONS:** 480x225x1050 mm or 680x225x1050 mm (above ground)  
**CAPACITY:** 96/192 microducts, 96/288 splices



Product No.	Product Name	Capacity (ducts/fibers)	Size (wxdxh, mm)	Weight (Kg)
HNBD116300/1	FAT Cabinet Medium, Grey, Al, with inner splice closure	96/96	480x225x1050	19
HNBD116301/1	FAT Cabinet Medium, Green, Al, with inner splice closure	96/96	480x225x1050	19
HNBD116302/1	FAT Cabinet Medium, Grey, AluZinc, with inner splice closure	96/96	480x225x1050	19
HNBD116303/1	FAT Cabinet Large, Grey, Al, with inner splice closure	192/288	680x225x1050	26
HNBD116304/1	FAT Cabinet Large, Green, Al, with inner splice closure	192/288	680x225x1050	26
HNBD116300	FAT Cabinet Medium, Grey, Al, Basic Outer Cabinet Only	-	480x225x1050	18
HNBD116301	FAT Cabinet Medium, Green, Al, Basic Outer Cabinet Only	-	480x225x1050	18
HNBD116302	FAT Cabinet Medium, Grey, AluZinc, Basic Outer Cabinet Only	-	480x225x1050	18
HNBD116303	FAT Cabinet Large, Grey, Al, Basic Outer Cabinet Only	-	680x225x1050	25
HNBD116304	FAT Cabinet Large, Green, Al, Basic Outer Cabinet Only	-	680x225x1050	25

## Fiber Splicing Cabinet – FAT, for Aerial Installations

This Fiber Access Terminal (FAT) is designed for splicing of air blown fibers and micro cables in aerial installations. The FAT consists of a well ventilated outer protective cabinet and an inner cable management section with splice trays. Cables are held in place with dynamic strain reliefs that allow natural cable movement present in aerial air blown installations. Duct holders secure the mounting of microducts for air blown fiber installations.

**DESIGN:** Splicing cabinet for outdoor use  
**TYPE:** Sheet steel, pole mounting, IP54  
**DIMENSIONS:** 650x340x170 mm  
**CAPACITY:** 64 microducts, 144 splices



Product No.	Product Name
NCD5072000	Fiber Access Terminal for Aerial Applications
NBL504506	Splice trays, pack of two

# FIBER DISTRIBUTION HUBS

The Fiber Distribution Hub (FDH) is the location of passive fiber optic devices such as fiber optic splitters and/or cross connection facilities. In this section, FDH's for cable and microduct systems are presented with associated accessories.

## Fiber Distribution Hub, Outdoor Cabinet

This FDH combines unique features in a compact cabinet. The FDH handles in-cabinet splicing of cable as well as incremental installation of air blown micro cable or air blown fiber. The FDH is designed for both PON and P2P FTTx connections and is designed for the RDJ 901 + splitter modules.

**DESIGN:** Fiber Distribution Hub for outdoor use  
**TYPE:** Aluminium, above ground, IP54  
**DIMENSIONS:** 830 (1080\*)x700x426 mm  
**CAPACITY:** up to 288 end users

\* Height including pad



Product No.	Product Name
2/NBD116200/1	FDH 288 Street cabinet, Beige, basic for 5 mm Microducts
2/NBD116200/100	FDH 288 Street cabinet, Beige, basic for 7 mm Microducts
2/NBD116200/10	FDH 288 Street cabinet, Beige, basic for 5 mm Microducts, for ASSA Scandinavian Cylinder
2/NBD116200/201	FDH 288 Street cabinet, Green, basic for 7 mm Microducts, for ASSA Scandinavian Cylinder
NBL9012001/1	Fiber adapter tray, empty
NBL9012001/10	Fiber adapter tray with 24 x SC/APC pigtails
NBL9012001/11	Fiber adapter tray with 24 x SC pigtails
NBL9012001/12	Fiber adapter tray with 24 x LC/APC pigtails
NBL9012001/13	Fiber adapter tray with 24 x LC pigtails

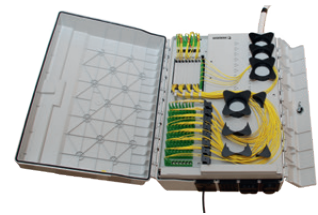
For splitter modules, see section *Fiber Optic Interconnect Products / Splitters and Other Passive Optical Devices*

## Fiber Distribution Hub, Indoor

The indoor FDH, for up to 64 end-users, is designed to handle fiber optic terminations and passive optical splitters in PON FTTx networks but can also be used for Point to Point (P2P) applications or combinations of the both. The FDH can handle air-blown fiber in microducts, micro cables as well as drop cables and other fiber optic cables. It can also be used as a medium sized fiber optic splice box for various applications.

The closure handles both 5 mm and 7 mm microducts. 3 mm microducts can be installed using the optional accessory.

**DESIGN:** Fiber Distribution Hub for indoor use  
**TYPE:** Plastic, wall mount, IP54  
**DIMENSIONS:** 500x 76x182 mm  
**CAPACITY:** up to 64 end users (SC)



Product No.	Product Name
1/NBD116200/1	FDH cabinet basic, empty
1/NBD116200/2	FDH cabinet prepared 64 + 8 SC/APC
1/NBD116200/3	FDH cabinet prepared 64 + 8 SC
1/NBD116200/4	FDH cabinet prepared 64 + 8 LC/APC
1/NBD116200/5	FDH cabinet prepared 64 + 8 LC
SXA1139517/1	3mm duct organizer for FDH 64, for 96 microducts

For splitter modules, see section *Fiber Optic Interconnect Products / Splitters and Other Passive Optical Devices*

## Fiber Distribution Hub – Underground Closure

The main application for this closure is fiber distribution in PON networks with optical splitters, but it can also be used in a P2P system as a cross connection distribution point. The closure is designed for outdoor, underground installation in manholes, above ground installation on poles or installations inside pedestals. The closure can handle air-blown fibers in microducts, micro cables and traditional cables. The closure is equipped with a holder for up to three RDJ 901+ splitter modules. The closure is delivered with

heat shrink sealings for traditional cables. For installation of micro cables and microducts, use the optional cold seals.

**DESIGN:** Fiber Distribution Hub for underground use

**TYPE:** Plastic, IP68

**DIMENSIONS:** 520x280 mm

**CAPACITY:** up to 96 end users (SC)



Product No.	Product Name
NCD507500	FAT/FDH for underground use
NSD515201	Swing-up arm for NCD507500/550
NDM11016/1	10x Round Micro cable cable entrance, for up to 6 micro cables
NDM11017/1	5x Oval Micro cable entrance kit, for up to 11 micro cables
NDM11018/1	10x Round Microduct entrance kit, for up to 18x5 mm microducts

For splitter modules, see section *Fiber Optic Interconnect Products / Splitters and Other Passive Optical Devices*

# JOINT CLOSURES FOR FIBER OPTIC CABLES

Joint closures for optimal protection. Hexatronic has developed a range of cost-effective joint closures for every installation environment.

The offering, for both indoor and outdoor installation, includes boxes optimized for virtually all conditions, and for small, medium and large fiber counts. Made in a variety of materials to suit environments ranging from simple to very demanding, the boxes are designed to join most types of fiber cables.

Hexatronic offers a complete line of accessories, including tool kits, protection sleeves, shrink-on hoses, mounting brackets and expansion kits, suitable for various types of installation.

## Fiber Joint Closure – High Capacity

This compact, high capacity joint closure handles up to 576 fiber splices. The closure is designed for outdoor underground installation in manholes but can also be mounted above ground on poles or inside pedestals. The closure can handle air-blown fibers in microducts, micro cables and traditional cable. The closure is delivered with heat shrink

sealings for traditional cables. For installation of micro cables and microducts, use the optional cold seals.

**DESIGN:** Fiber joint closure, dome

**TYPE:** Plastic, IP68

**DIMENSIONS:** 520x280 mm

**CAPACITY:** up to 576 splices

Product No.	Product Name
NCD507550	Fiber Joint Closure 576
NSD515201	Swing-up arm for NCD507500/550
NDM11016/1	10x Round Micro cable cable entrance, for up to 6 micro cables
NDM11017/1	5x Oval Micro cable entrance kit, for up to 11 micro cables
NDM11018/1	10x Round Microduct entrance kit, for up to 18x5 mm microducts



## Fiber Joint Closure

Versatile fiber closure made of durable plastic to meet most environmental demands. The standard box can handle up to 96 single fibers or 48 ribbon sleeves. The closure can also handle mid-span access.

**DESIGN:** Fiber joint closure, butt end  
**TYPE:** Plastic, IP68  
**DIMENSIONS:** 520x280 mm  
**CAPACITY:** up to 96 single fiber splices or 48 ribbon fiber splices with 4 extra tray



Product No.	Product Name
NCD5045004	Plastic Joint Closure, no open entrance, 4 organizers
NCD5046004	Plastic Joint Closure, 2xØ24 entrances opened+1xMulti entrance not opened, 4 organizers
NCD5047004	Plastic Joint Closure, 2xØ24 entrances not opened+1xMulti entrance opened, 4 organizers
NCD5048004	Plastic Joint Closure, 2xØ24 entrances opened+1xMulti entrance opened, 4 organizers
NTM504001	Installation kit for 10 joint closures NCD 504
NBL504021	2 organizers, cover, for NCD 504
NBL504041	4 organizers, cover, for NCD 504
SXK1101050/2	Locking screw for 8 organizers, for NCD 503/504
NSD51521	Mounting bracket set for wall mounting NCD 504
NSD51523/3	Mounting bracket including bracket for slack cable NCD 503/504
NSD51522/1	Bracket for pole mounting for NCD 504
NSD51522	Mounting bracket for pole and wall mounting NCD 504
NTM504002	Kit for sealing of the single cable inlet NCD 504
NTM504003	Kit for sealing of the multi cable inlet NCD 504
NTM504010	Installation kit for mid-span access, NCD 504
NTM504005/1	Kit for sealing of microcables for the multi cable inlet NCD 504
NTM504005/2	Kit for sealing of microcables for the single cable inlet NCD 504
NTM504012	Earthing screw NCD 504
SXA1139183	Rubber seal (spare part)
NDM501205	End plug for extension ring (spare part)
NTM504004	10xArmoured Cable Bridging Wire Kit
NTV90303	Cleaning cloth
SVB92401	Warning label, english
SVB92402	Identification label, english

# Fiber Optic Interconnect Products

## EQUIPMENT RACK SYSTEMS

The Central Office range features fiber management systems to efficiently and cost-effectively organize and terminate large quantities of fiber. The application in the central office environment is characterized by a minimum footprint in combination with class-leading capacity that allows well-organized and safe fiber termination to minimize operating errors.

### 19" Rack System

The 19" standard Rack System offers high-capacity, easy installed fiber management to organize and terminate large quantities of fibers such as in FTTH networks.

**DESIGN:** 19" Rack, floor standing  
**TYPE:** Metal frame, floor standing  
**DIMENSIONS:** 2100x600x400 mm  
**CAPACITY:** 42 U

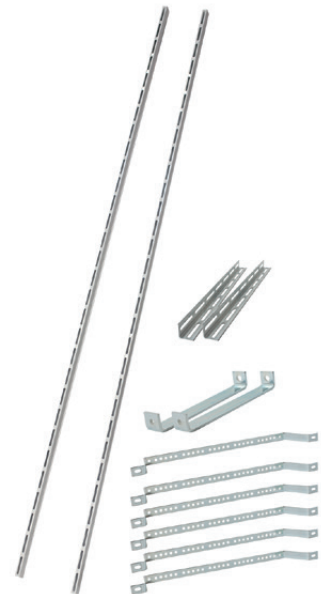


Product No.	Product Name
MT-5211S	19" rack, Black
MT-5446/40S	Radius limiter
MT-5446/08S	Patch cable management
MT-5446/01S	Cable channel
MT-5211/61	Floor attachment

### Mounting Frame System

The mounting rack system is a multi-purpose, wall mounted frame system for smaller sites. The frame is designed for 19" equipment. The depth of the frame can be adjusted with brackets.

**DESIGN:** 19" frame,  
**TYPE:** Metal frame, wall mounted  
**CAPACITY:** 48 U  
**SIZE:** 500x2200x240 mm  
**CAPACITY, EQUIPMENT:** 48 U



Product No.	Product Name
NBF11003	Mounting Frame System, Set
N-675073	Vertical Bar
N-675074	Cable Support
N-675075	Wire Guide
N-675076	Top and Bottom Iron
NBH10201	Mounting Frame
NBH10202	Mounting Set
NBH10401	Mounting Bar
NBH10402	Mounting Set
NSD60101	Fixing Iron, 240 mm
NSD60102	Fixing Iron, 500 mm
NSG20701	Wire Guide
NSV45101	Washer
NSV61101	Screw