



Discreet fiber
cabling system



Cost-effective and almost invisible

In multi-dwelling units (MDUs), and office buildings, traditional cabling methods often involve visible installations that can be intrusive and aesthetically unpleasing. The Hexatronic Discreet Fiber Cabling System offers a solution that is both cost-effective and minimally invasive, designed to meet the demands of modern building aesthetics.

Discreet and cost-effective

A common oversight in cost assessments is focusing solely on material expenses, such as cables and wall sockets, while neglecting significant installation costs. Traditional cabling systems may require extensive routing and visible hardware, leading to higher labor costs and potential expenses for concealing installations to maintain building aesthetics.

The Hexatronic Discreet Fiber Cabling System minimizes these costs by utilizing ultra-slim, bend-resistant fiber cables that can be installed flush to ceilings and along corridors without the need for extensive concealment. This streamlined approach reduces labor time and preserves the building's interior design, resulting in substantial cost savings.



The smartest way to install!

The Hexatronic Discreet Fiber Cabling System not only offers high-capacity fiber optic connectivity but also ensures a swift and unobtrusive installation process. The system comprises a few key components:

- Slimline ultra bend resistant cables
- Discreet riser boxes
- Subscriber wall boxes
- Cable management accessories
- Termination panels, splitters
- Installation tools

The pre-terminated slimline cables using ultra bend-resistant G657 A2 or B3 fibers reduces installation errors and facilitates installation.

Riser boxes available for Point-to-Point (P2P) and Point-to-Multipoint (P2MP) networks, aslo with fiber optic splitter compartments are available, tailor made for the slim cables.

Subscriber wall boxes designed for flush ceiling mounting, allowing discreet drop-off points for individual units.

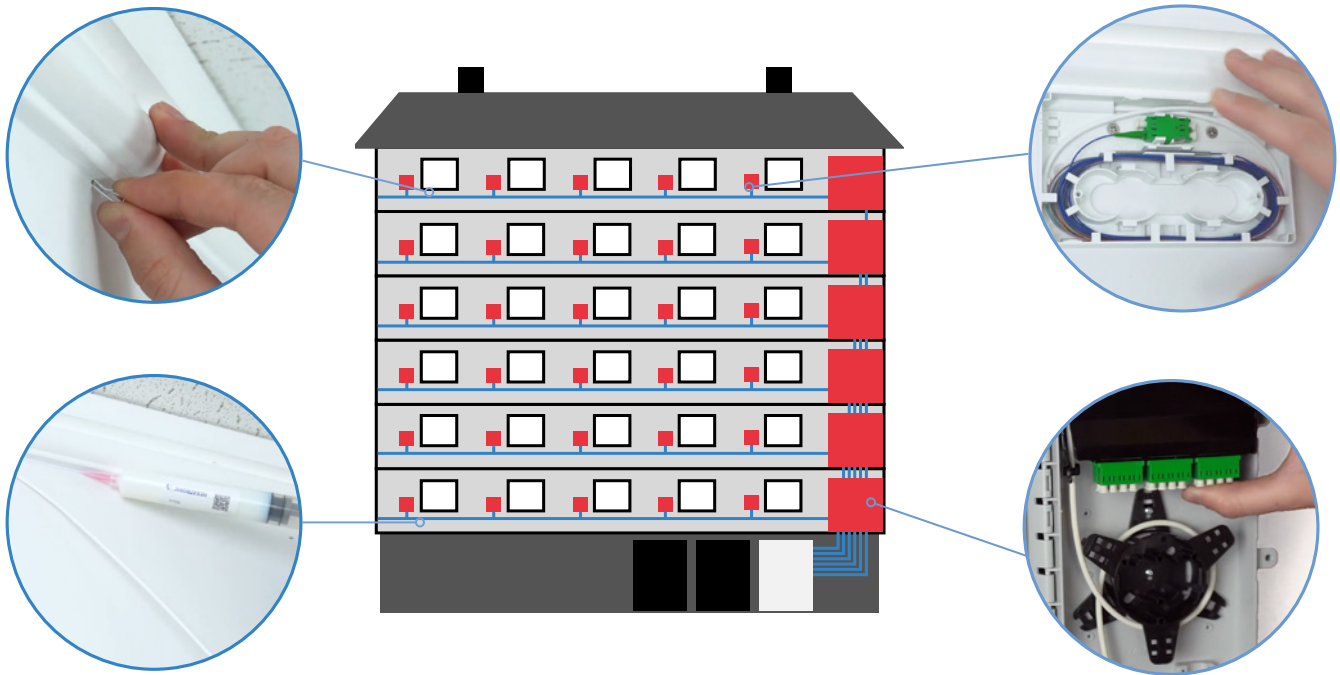
Other cable management accessories includes clear plastic corner radius protectors and specially designed fire clips, to maintain minimum bend radius and adhere to fire safety regulations.

By installing these components internally and unobtrusively, the system eliminates the need for external cabling, reducing installation time and minimizing disruption to residents. Using pre-terminated cables and modular components further simplifies the process, ensuring a reliable and aesthetically pleasing network infrastructure within MDUs.



Installation layout of the discreet fiber system

The Hexatronic Discreet Fiber System - This is how it works



Installing the system is done in a few simple steps:

1. **Planning and Preparation:** Identify suitable locations for subscriber outlets along the corridor. Calculate the cable length based on the planned route, adding an extra 2-4 meters per outlet to allow for handling and connection.
2. **Mounting Cable Clips and Corner Protectors:** Drill 3.5 mm diameter holes every 30 cm along the planned cable route. At each subscriber outlet position, drill two holes 160 mm apart. Insert cable clips into each hole and apply corner protectors wherever the cable needs to bend. This ensures the minimum bend radius is maintained and minimizes visual impact.
3. **Cable Installation:** Apply a 2 mm wide bead of suitable adhesive along the planned cable route and let it dry for about 10 minutes. Starting at the cable's entry point, gently press the cable into the adhesive using a gloved hand. Ensure the cable lies flush against the wall or ceiling, following the corner protectors to maintain the proper bend radius.
4. **Subscriber Outlet Installation:** At each outlet location, feed the cable loop through the opening at the top of the outlet box and mount the box using the provided screws or double-sided tape. Mark the cable sheath according to the instructions and use a cable stripper to make a cut between these points. Remove the cable sheath and aramid yarn, identify the fiber to be connected, and cut it at the outgoing end of the loop.
5. **Fiber Connection:** Splice the selected fiber to a pigtail and neatly coil any excess fiber inside the outlet box. Ensure all fibers are properly organized and that the outlet cover is securely in place to complete the installation.

By following these steps, a fast, cost-effective, and discreet fiber installation can be achieved in buildings meeting both property owners' and residents' demands for aesthetics and functionality.

The Hexatronic Discreet MDU System utilizes ultra-bend-insensitive fiber, enabling installation around sharp corners in corridors and door frames without compromising performance. The system also offers a full range of cable management accessories to keep the installation discreet while adhering to strict fire safety regulations.



Scan the QR code to watch the installation demo video!



Choose your material and get started!

Indoor Multifiber Trunk Cables

The Hexatronic FTTx Multifiber Indoor Cable is developed for deploying optical networks internally. Manufactured to meet CPR Cca fire performance standards the cable is perfect for discreet cable installation MDU scenarios and higher fiber count applications in Datacenters and Risers.

- White discrete coloring
- High capacity, up to 96 fibers
- Aramid yarn high tensile strength
- LSZH cables compliant to Cca -s1b, d0 -a1



Discreet Drop Cable

2 mm slim Discreet cable is perfect for installing in Subscriber premises where it is desirable to keep cable visibility to a minimum.

- Small diameter, 2-12 fibers
- Ultra Bend Resistant G657.A2
- Flexible
- LSZH cables compliant to Cca -s1b, d0 -a1



Cable Management Accessories and Cable Clips

The Discreet Adhesive dispenser is a fast and simple method to deploy cables quickly along Walls/Ceilings. Hexatronic Discreet NanoClips ensure that installations can comply with 18th Edition Regulations. The Discreet Cable adhesive is a white water-based product that makes it possible to adhere Cables to various Surfaces. Provided in a compact dispenser tube the Discreet PVA adhesive is well suited to the installation of Low weight fibre cables to Walls and Ceilings. Coupled with the Discreet Cable fixings Hexatronic Cables can be deployed quickly in compliance with 18th Edition regulations.

Discreet Cable Bend Radius Protection - The Clear PP material forms around the cable to securely retain the fiber to the wall. Supplied in Packs of 10 the Radius protectors can be used to provide discreet and secure indoor cable installations. Used along cable installation internally the Clear Discreet Bend radius protectors enable cables to be installed tight to Door Frames, Ceilings and walls. Ensuring that the minimum bend radius is maintained is critical to ensure that Subscribers optical power levels are maintained. Cable compatibility 1-3mm, G657A2 / G657B3

Discreet Customer Lead-In - Compact Lead-In is designed to be used as part of the Discreet Cabling Solution when cables need to pass through an interior wall. Dimensions - 34×27×10mm

The NanoClip™ is a fire-safe cable clip designed to fit 2mm and 3mm Fibre Optic cables, hearing loop cables and other small diameter cables. The NanoClip™ is suitable for domestic, commercial, and industrial use and ideal for any installation where a faster, safer, simpler... and smaller solution is needed.



CTB2 Distribution Box

The CTB2 is a universal enclosure that has been developed for housing fibre connectivity. The versatile design gives the CTB2 the ability to accommodate a number of connectivity solutions, Splice only, Splice and patch and even splitter modules.

The Box is a High-Quality ABS housing that can be supplied in a variety of colours. Internally, the Box can come equipped with either a plastic or metal module to accommodate fibre storage cable management.

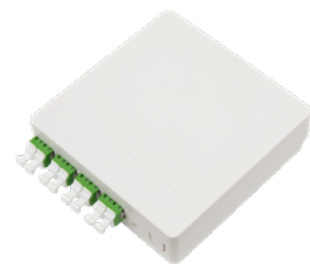
For splice only applications, the CTB2 is supplied with an internal splice cassette with 48F splice capacity and midspan storage space behind the cassette. Pre-tailed versions are also available with fanout cables pre-installed.

The CTB2 can be used in conjunction with the wall/pole mount bracket which provides additional cable anchoring points and cable storage for overlength behind the box.



Subscriber Wallbox

Designed to provide a compact, discreet location for multiple services to present inside a customer premises. A compact residential outlet for up to 4 fibres terminated with SC connectors (8x LC). Hinged optical splice tray can house up to 8 splices in either Heat shrink or Crimp Splices.



Customer Point of Entry Box

The SBS Wallbox is developed to be a discreet product that can be deployed either at the end of drop cables or midspan along multicore fiber routes. With the ability to accommodate Splice only or Splice and patch it simple to install future proof infrastructure. The Box is a High-Quality ABS housing. Standard and slim versions available.



Customer Drop Cables

The FTAC-W series of pre-terminated drop cables has a very good temperature performance, making them very stable over time in various environmental conditions.

The small bending radius of only 10 mm due to the G657A1 fiber, minimizes losses when installed or handled during installation.

The patch cords are designed with Ø 0.9 mm tight-buffered secondary coating and a strength member made up of aramid yarn. The outer jacket is made of a low smoke, zero halogen (LSZH) material giving excellent protection and is UV resistant



Products

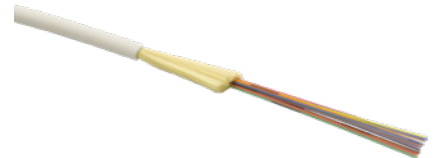
Indoor Multifiber Trunk Cables

P. No	Article name
TOL4053043/4C	Indoor G657A1 4f WH Cca 3 mm
TOL4053043/8C	Indoor G657A1 8f WH Cca 3 mm
TOL4053043/12C	Indoor G657A1 12f WH Cca 3 mm
TOL4053043/24C	Indoor G657A1 24f WH Cca 9 mm
TOL4053043/48C	Indoor G657A1 48f WH Cca 9 mm
TOL4053043/96C	Indoor G657A1 96f WH Cca 9 mm



Discreet Drop Cable

P. No	Article name
TOL4063021/2C	Indoor G657 A2 2f Discreet drop WH Cca 2 mm
TOL4063021/4C	Indoor G657 A2 4f Discreet drop WH Cca 2 mm
TOL4063021/8C	Indoor G657 A2 8f Discreet drop WH Cca 2 mm
TOL4063021/12C	Indoor G657 A2 12f Discreet drop WH Cca 2 mm



Discreet NanoClip™

P. No	Article name
ENFF-DIS-CLIP-2MM-MTL-BK	Fastener - Discreet NanoClip™ - 2mm - Metal - Black
ENFF-DIS-CLIP-2MM-MTL-BN	Fastener - Discreet NanoClip™ - 2mm - Metal - Brown
ENFF-DIS-CLIP-2MM-MTL-WH	Fastener - Discreet NanoClip™ - 2mm - Metal
ENFF-DIS-CLIP-3MM-MTL-BK	Fastener - Discreet NanoClip™ - 3mm - Metal - Black
ENFF-DIS-CLIP-3MM-MTL-BN	Fastener - Discreet NanoClip™ - 3mm - Metal - Brown
ENFF-DIS-CLIP-3MM-MTL-WH	Fastener - Discreet NanoClip™ - 3mm - Metal
FOTX-DIS-CLIP-PUSH	Insert tool for Discreet Cable Clip Clips
FOTT-HX-FCT-5MM	LINIAN Clip Insertion Tool



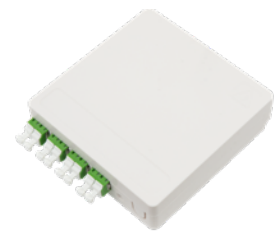
CTB2 Distribution Box

P. No	Article name
FCLC-C2-CBKT-BK	CTB2 Mounting Bracket
FCLC-C2BK-C12-ALC1	Closure - CTB2 - Open Splice/Patch Module
FCLC-C2BK-C6-ASC1	Closure - CTB2 - Open Splice/Patch Module
FCLC-C2BK-PP01-ASC	Closure - CTB2 - Managed Splice/Patch Module
FCLC-C2BK-PP01-ASC2	Closure - CTB2 - Managed Splice/Patch Module
FCLC-C2BK-SO	Closure - CTB2 - Splice Only Module
FCLC-C2BK-SSO4-1x4	Closure - CTB2 - Splitter/Splice Module
FCLC-C2BK-SSO4-1x8	Closure - CTB2 - Splitter/Splice Module
FCLC-C2BK-SSO4-1x16	Closure - CTB2 - Splitter/Splice Module
FCLC-C2BK-SP04-ASC1	Closure - CTB2 - Open Splice/Patch Module w/ Splitter
FCLC-C2BK-SP04-ALC1	Closure - CTB2 - Open Splice/Patch Module w/ Splitter
FCLC-C2BK-SP08-ALC1	Closure - CTB2 - Open Splice/Patch Module w/ Splitter



Subscriber Wallbox

P. No	Article name
FCLC-DIS-ICB-P00-UNL	Subscriber Wallbox - Unloaded - 4x Simplex SC Ports - 8 Splice
FCLC-DIS-ICB-P01-ALC-A1	Subscriber Wallbox - 1x LC/APC incl G657A1 Pigtail
FCLC-DIS-ICB-P01-ALC-A2	Subscriber Wallbox - 1x LC/APC incl G657A2 Pigtail
FCLC-DIS-ICB-P01-ALC-B3	Subscriber Wallbox - 1x LC/APC incl G657B3 Pigtail
FCLC-DIS-ICB-P01-ALC-UNL	Subscriber Wallbox - 1x LC/APC Adaptor
FCLC-DIS-ICB-P01-ASC-A2	Subscriber Wallbox - 1x SC/APC incl G657A2 Pigtail



Cable Management Accessories

P. No	Article name
FOAM-DIS-EXT-CL	Bend Radius Protector, External Bend 3mm, Clear x100
FOAM-DIS-INT-CL	Bend Radius Protector, Internal Bend 3mm, Clear x100
FOAM-DIS-CLI-WH-ADH	Discreet Internal Lead-In Cover
FOAM-DIS-ADHTIP-16AWG	Fine Applicator Tip For Adhesive Grey [16AWG/1.22mm] pack of 25
FOAM-DIS-ADHTIP-20AWG	Fine Applicator Tip For Adhesive Pink [20AWG/0.61mm] pack of 25
FOAM-DIS-ADH-01	Discreet Adhesive
FOAM-DIS-GUN-01	Discreet Dispenser Gun



Customer Drop Cables, Internal Drop, 1 fiber, White	
P. No	Article name
FTACS01-S730-ALCASC-C150W	G657A1 - 3mm - ALC-ASC - 150cm
FTACS01-S730-ALCASC-M001W	G657A1 - 3mm - ALC-ASC - 1m
FTACS01-S730-ALCASC-M002W	G657A1 - 3mm - ALC-ASC - 2m
FTACS01-S730-ALCASC-M003W	G657A1 - 3mm - ALC-ASC - 3m
FTACS01-S730-ALCASC-M005W	G657A1 - 3mm - ALC-ASC - 5m
FTACS01-S730-ALCASC-M010W	G657A1 - 3mm - ALC-ASC - 10m
FTACS01-S730-ALCASC-M015W	G657A1 - 3mm - ALC-ASC - 15m
FTACS01-S730-ALCASC-M020W	G657A1 - 3mm - ALC-ASC - 20m
FTACS01-S730-ALCPIG-M010W	G657A1 - 3mm - ALC-Pigtail - 10m
FTACS01-S730-ALCPIG-M020W	G657A1 - 3mm - ALC-Pigtail - 20m
FTACS01-S730-ALCPIG-M030W	G657A1 - 3mm - ALC-Pigtail - 30m
FTACS01-S730-ALCPIG-M040W	G657A1 - 3mm - ALC-Pigtail - 40m
FTACS01-S730-ALCPIG-M050W	G657A1 - 3mm - ALC-Pigtail - 50m
FTACS01-S730-ALCPIG-M060W	G657A1 - 3mm - ALC-Pigtail - 60m
FTACS01-S730-ALCPIG-M070W	G657A1 - 3mm - ALC-Pigtail - 70m
FTACS01-S730-ALCPIG-M080W	G657A1 - 3mm - ALC-Pigtail - 80m DR
FTACS01-S730-ALCASC-C150W	G657A1 - 3mm - ALC-USC - 150cm
FTACS01-S730-ASCASC-C030W	G657A1 - 3mm - ASC-ASC - 30cm
FTACS01-S730-ASCASC-C050W	G657A1 - 3mm - ASC-ASC - 50cm
FTACS01-S730-ASCASC-C150W	G657A1 - 3mm - ASC-ASC - 150cm
FTACS01-S730-ASCASC-M001W	G657A1 - 3mm - ASC-ASC - 1m
FTACS01-S730-ASCASC-M002W	G657A1 - 3mm - ASC-ASC - 2m
FTACS01-S730-ASCASC-M005W	G657A1 - 3mm - ASC-ASC - 5m
FTACS01-S730-ASCASC-M010W	G657A1 - 3mm - ASC-ASC - 10m
FTACS01-S730-ASCASC-M015W	G657A1 - 3mm - ASC-ASC - 15m
FTACS01-S730-ASCASC-M020W	G657A1 - 3mm - ASC-ASC - 20m
FTACS01-S730-ASCASC-M025W	G657A1 - 3mm - ASC-ASC - 25m
FTACS01-S730-ASCASC-M020W	G657A1 - 3mm - ASC-ASC - 20m
FTACS01-S730-ASCASC-M025W	G657A1 - 3mm - ASC-ASC - 25m
FTACS01-S730-ASCUFC-M001W	G657A1 - 3mm - ASC-UFC - 1m
FTACS01-S730-ASCUFC-M005W	G657A1 - 3mm - ASC-UFC - 5m
FTACS01-S730-ASCUFC-M019W	G657A1 - 3mm - ASC-UFC - 19m
FTACS01-S730-ASCUFC-M025W	G657A1 - 3mm - ASC-UFC - 25m
FTACS01-S730-ASCULC-M001W	G657A1 - 3mm - ASC-ULC - 1m
FTACS01-S730-ASCULC-M002W	G657A1 - 3mm - ASC-ULC - 2m
FTACS01-S730-ASCULC-M004W	G657A1 - 3mm - ASC-ULC - 4m



P. No	Article name
FTACS01-S730-ASCULC-M010W	G657A1 - 3mm - ASC-ULC - 10m
FTACS01-S730-UFCASC-M002W	G657A1 - 3mm - UFC-ASC - 2m
FTACS01-S730-ULCASC-M003W	G657A1 - 3mm - ULC-ASC - 3m
FTACS01-S730-ULCPIG-M002W	G657A1 - 3mm - ULC-Pigtail - 2m
FTACS01-S730-ULCULC-M002W	G657A1 - 3mm - ULC-ULC - 2m
FTACS01-S730-USCASC-M002W	G657A1 - 3mm - USC-ASC - 2m
FTACS01-S730-USCASC-M003W	G657A1 - 3mm - USC-ASC - 3m
FTACS01-S730-USCASC-M005W	G657A1 - 3mm - USC-ASC - 5m
FTACS01-S730-USCASC-M010W	G657A1 - 3mm - USC-ASC - 10m
FTACS01-S730-USCASC-M015W	G657A1 - 3mm - USC-ASC - 15m
FTACS01-S730-USCASC-M020W	G657A1 - 3mm - USC-ASC - 20m
FTACS01-S730-USCASC-M030W	G657A1 - 3mm - USC-ASC - 30m
FTACS01-S730-USCASC-M040W	G657A1 - 3mm - USC-ASC - 40m
FTACS01-S730-USCASC-M050W	G657A1 - 3mm - USC-ASC - 50m
FTACS01-S730-USCASC-C150W	G657A1 - 3mm - USC-ASC - 150cm
FTACS01-S730-USCASC-M005W	G657A1 - 3mm - USC-ASC - 5m
FTACS01-S730-USCASC-M002W	G657A1 - 3mm - USC-ASC - 2m
FTACS01-S730-USCASC-M005W	G657A1 - 3mm - USC-ASC - 5m
FTACS01-S730-USCASC-M010W	G657A1 - 3mm - USC-ASC - 10m
FTACS01-S730-USCASC-M015W	G657A1 - 3mm - USC-ASC - 15m
FTACS01-S730-USCASC-M020W	G657A1 - 3mm - USC-ASC - 20m
FTACS01-S730-USCASC-M025W	G657A1 - 3mm - USC-ASC - 25m
FTACS01-S740-USCASC-M002W	G657A1 - 4mm - USC-ASC - 2m

Customer Point of Entry Box	
P. No	Article name
FCLC-DIS-SBS-P00-UNL	Simplex, Unloaded Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-SBS-P01-USC-UNL	01 SC/UPC, Unloaded Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-SBS-P01-ASC-UNL	01 SC/APC, Unloaded Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-SBS-P02-ULC-UNL	02 LC/UPC, Unloaded Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-SBS-P02-ALC-UNL	02 LC/APC, Unloaded Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-SBS-P01-USC-LDD	01 SC/UPC, incl Pigtail Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-SBS-P01-ASC-LDD	01 SC/APC, incl Pigtail Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-SBS-P02-ULC-LDD	01 LC/UPC, incl 1x Pigtail Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-SBS-P02-ALC-LDD	02 LC/APC, incl 1x Pigtail Subscriber MDU Corridor Box - Low Profile Splice, Patch Store



Slim Customer Point of Entry Box	
P. No	Article name
FCLC-DIS-HBS-P00-UNL	Simplex, Unloaded Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-HBS-P01-USC-UNL	01 SC/UPC, Unloaded Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-HBS-P01-ASC-UNL	01 SC/APC, Unloaded Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-HBS-P02-ULC-UNL	02 LC/UPC, Unloaded Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-HBS-P02-ALC-UNL	02 LC/APC, Unloaded Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-HBS-P01-USC-LDD	01 SC/UPC, incl Pigtail Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-HBS-P01-ASC-LDD	01 SC/APC, incl Pigtail Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-HBS-P02-ULC-LDD	01 LC/UPC, incl 1x Pigtail Subscriber MDU Corridor Box - Low Profile Splice, Patch Store
FCLC-DIS-HBS-P02-ALC-LDD	02 LC/APC, incl 1x Pigtail Subscriber MDU Corridor Box - Low Profile Splice, Patch Store



Hexatronic enables non-stop connectivity for communities worldwide. We partner with customers on four continents - from telecom operators to network owners - and offer leading, high-quality fiber solutions for every conceivable application.

Are you installing fiber to buildings for the first time?

Our field support is here to help you, online or on site! If challenges arise during installation, our technical field support is available to you. This unique, free service can be an important factor in the success of your project.

Contact us at hexatronic.com/en/contact