

# Aerial Subscriber Node (ASN)



# Secure solution for installing pre-terminated drop cables

Hexatronic presents the Aerial Subscriber Node; a solution developed for installing pre-terminated drop cables for FTTX applications.

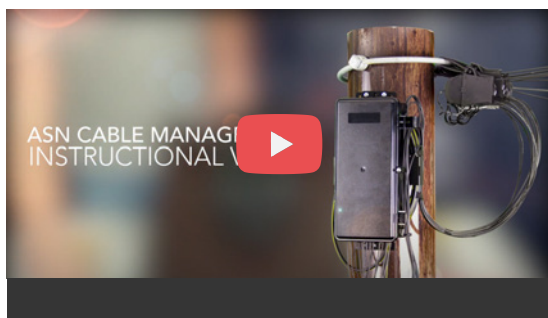
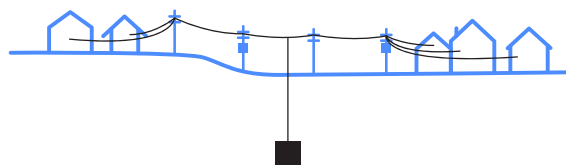
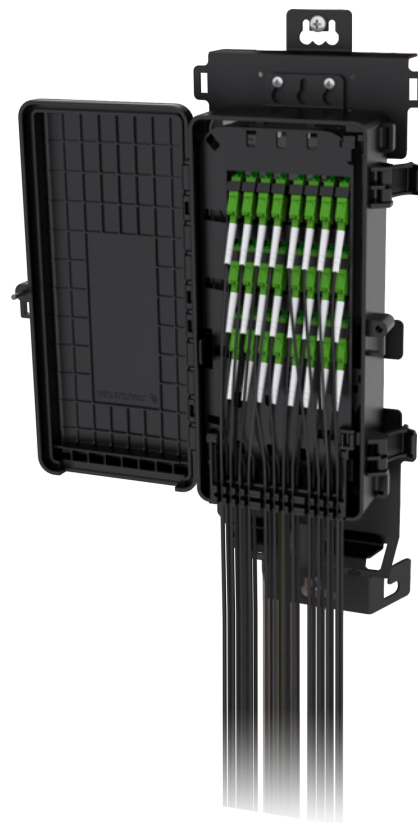
The Aerial Subscriber Node is developed to provide a separation between the network build and the customer drop. Housing the drop connectors within the ASN ensures that optical connectivity is both cost effective and secure.

Optimised for fast deployment, the closure can be supplied as standalone unit ready for splicing or as a pre-tailed closure ready for faster rollouts.

Pre-terminated connectorised drop cables can then be installed at a later date without the risk of access to the delicate 250um fibres. Up to 24 drop cable customer connections can be offered from a single enclosure.

## Features

- Custom branding available
- Impact resistant enclosure
- High-quality hinge mechanism
- Durable sealing clips
- Up to 24 customer connections
- 4 x Multifibre entry Ports
- 24x Drop cable Ports
- IP55
- Secure, tamper proof cover
- Low profile
- Range of colours



[Click to view our ASN Cable Management video](#)

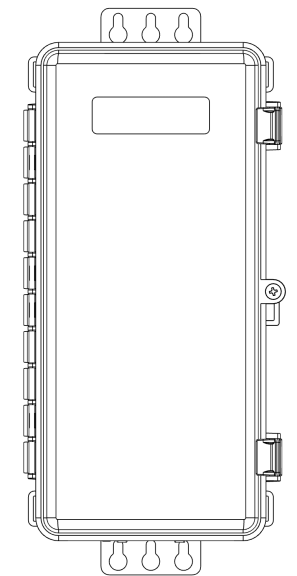
Available in colours

GY

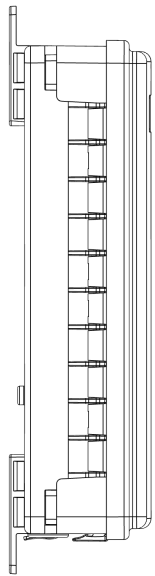
BK

## Specifications

Model No	FCLW-ASN		
Connection Type	SC or LC		
Dimensions	146 W x 308 H x 78 D mm		
Maximum Cable Capacity	144F Storage	24F Splice	24F Patch
Cable Dimensions	5-14mm Input	3-5mm Drop	

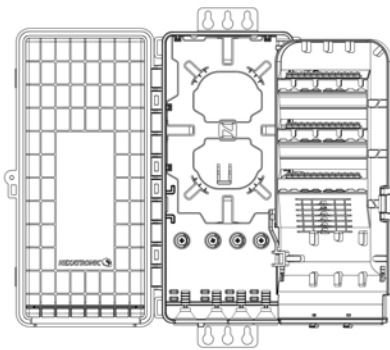
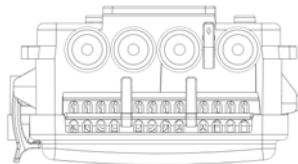
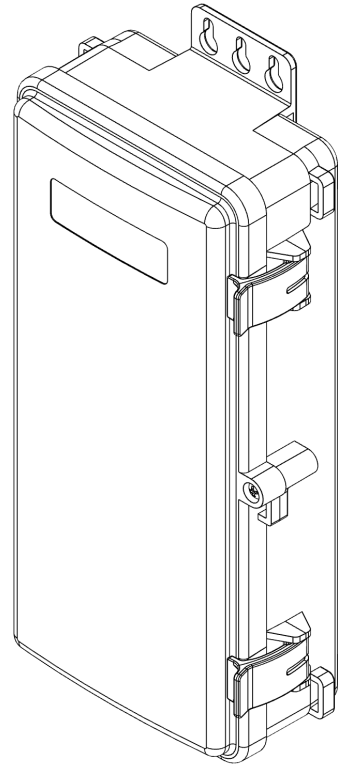


146 mm

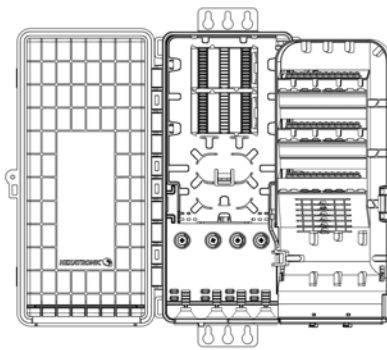


78 mm

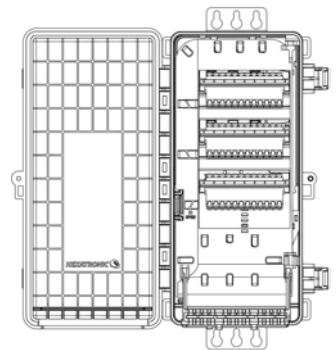
308 mm



Trunk Splice area with under cassette Midspan storage



Hinged Patch Plate Underside Housing Splitter Modules



Customer Drop Patch Interface

## Part Numbers

## Description

FCLW-ASN-B-P06-ALC	Aerial Distribution Node B, LC/APC, 6F Patch Only, Incl Rear Mandrel
FCLW-ASN-B08-1X8-ALC	Aerial Distribution Node B, LC/APC, (1)1:8 Splitter, Incl Rear Mandrel
FCLW-ASN-B16-1X8-ALC	Aerial Distribution Node B, LC/APC, (2)1:8 Splitter, Incl Rear Mandrel
FCLW-ASN-B24-1X8-ALC	Aerial Distribution Node B, LC/APC, (3)1:8 Splitter, Incl Rear Mandrel
FCLW-ASN-B-P8-ALC-PIG	Aerial Distribution Node B, LC/APC, 8 x ALC Pigtail, Incl Rear Mandrel
FCLW-ASN-B-P12-ALC-PIG	Aerial Distribution Node B, LC/APC, 12 x ALC Pigtail, Incl Rear Mandrel
FCLW-ASN-B-P16-ALC-PIG	Aerial Distribution Node B, LC/APC, 16 x ALC Pigtail, Incl Rear Mandrel
FCLW-ASN-B-P24-ALC-PIG	Aerial Distribution Node B, LC/APC, 24 x ALC Pigtail, Incl Rear Mandrel

# Accessories

The Aerial Subscriber Node can be mounted on a wall or pole with our brackets

## Compact Bracket

The raised mounting profile facilitates a compact cable storage area behind the ASN. Mad from stainless steel.

- Cable tie fixings around cable storage area
- Universal box mounting space
- Keyhole Screw Mounting at top of the bracket
- Black RAL 9005 Powder Coating

### Specifications

Part number	ENMS-ASN-BKT-005
Dimensions	371×179×81mm (HxWxD)



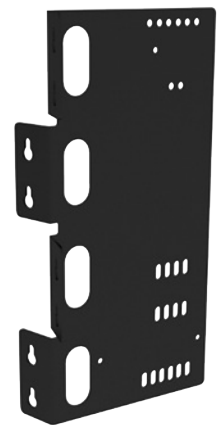
## ASN Dual Bracket

The Dual Bracket makes it possible to mount two ASNs back to back for increased drop density and can be used with or without the compact bracket.

- Mount 2 ASNs in a smaller footprint
- Durable Rust-resistant powder-coated finish
- Rear cable storage compartment
- Additional cable anchoring points

### Specifications

Part number	FCLW-ASN-D-BKT-KIT-BK-A
Dimensions	350×76×177mmm (HxWxD)



# Associated Products

Hexatronic offer a complete product range end-to-end.

## Customer Termination Boxes 1/2/3

For Future proof FTTP deployments

### Features

- Compact/Discreet
  - Cost effective
  - Multifunctional
  - Impact resistant
- Hexatronic universal external enclosures that have been developed for discreet and functional FTTP customer deployments. With the ability to accommodate splice only or splice and patch, it's simple to install future proof infrastructure.

Part number examples	
CTB1	FCLC-CTB-PLN-BK
CTB2	FCLC-CTB2-ULD-001-xx BL
CTB3	FCLC-CTB-03



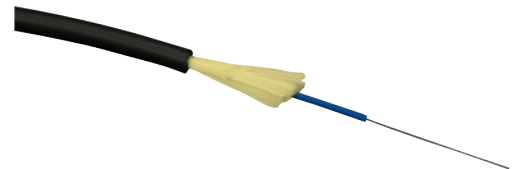
## FTTx External Subscriber Cable

Suited for use in Aerial and MDU Deployments

### Features

- Up to 4 Fibres
  - Tight Buffered
  - ITU-T G.657A2
  - UV Stabilized Jacket
- Suited for use in aerial distribution applications and also MDU deployments. Lightweight with an outer diameter of just 3mm, this allows for effective cable management around buildings and in Distribution Nodes.

Part number examples	
FCAT-CDX-SM7L35-BLK-01KM	Drop cable - 2f - 3.0mm - G657 - TPU - 2 x 600um - Black - 1km box
FCAT-CQX-SM7L35-BLK-01KM	Drop cable - 4f - 3.0mm - G657 - TPU - 4 x 600um - Black - 1km box
FCAT-CSX-SM7L30-BLK-1K	Drop cable - 1f - 3.0mm - G657 - TPU - 1 x 600um - Black - 1km box



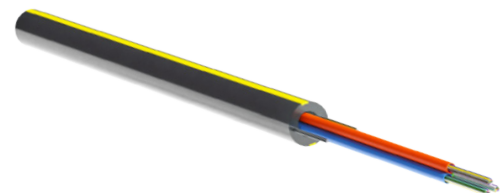
## Ultra-Lightweight Aerial Cable

ULW 4-48 fibers G657A1 TIA598

### Features

- Up to 48 fibers
  - For aerial or duct installations
  - Bend resistant G657A1 fibres
  - 7mm cable diameter
- The Hexatronic Ultra-lightweight cable range is designed for aerial installations for fibre access networks. The cables are designed to fulfil all requirements to be installed in the British Telecom overhead and underground environments.

Part number examples	
FCAU-H4036011/12-3	Universal cable - Ultra lightweight - Plain - 12f - 2000m Drum
FCAU-H4036011/24-3	Universal cable - Ultra lightweight - Plain - 24f - 2000m Drum
FCAU-H4036011/36-3	Universal cable - Ultra lightweight - Plain - 36f - 2000m Drum
FCAU-H4036011/48-3	Universal cable - Ultra lightweight - Plain - 48f - 2000m Drum



## External Drop Cables

FTTX External Drop Cable for outdoor distribution

- ITU-T G657A bending sensitive fiber
  - Tight buffered
  - Meets IEC and ITU-T Standards
  - UV Stabilized jacket
- Designed to meet the standards mainly used in aerial and external FTTH networks where a more ruggedized and self-supporting patch cord is required. Available in UPC and APC variants.

Part number examples	
FTACS01-S730-ALCALC-M005X	SM - 3MM - ALC-ALC - G657 - 05m - BLACK
FTACS01-S730-ALCALC-M015X	SM - 3MM - ALC-ALC - G657 - 10m - BLACK
FTACS01-S730-ALCALC-M025X	SM - 3MM - ALC-ALC - G657 - 25m - BLACK
FTACS01-S730-ALCALC-M100X	SM - 3MM - ALC-ALC - G657 - 100m - BLACK



## Triangular Fixing Bracket 22

Three fixing holes and a welded loop for dropwire installation

### Features

- Galvanised steel bracket
  - For attaching wires to poles or walls
  - Screw directly to the fascia board of a house roof
  - (W)60mm x (L)84mm Fixing Holes 8mm
- Designed to attach a dropwire clamp at end-users premises or on a multi pole route where no pole ring exists

### Part number examples

FCAX-TRI-BRKT-22	Triangular fixing bracket 22
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## Bracket 32

Designed to attach a dropwire clamp at end users' premises

### Features

- Fixing holes: 8mm
  - Galvanised steel bracket
  - Negotiate the overhang of the roof
- Designed to attach a dropwire clamp to timber or brickwork at end users' premises where additional height clearance is required

### Part number examples

FCAX-EXT-ARM-32	Bracket 32
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## Expanding Eyebolt 1A 8-10mm

Single point fixing ring bolt for terminating dropwire

### Features

- Hole Size: 8-10mm
  - Overall Length: 94mm
  - Ring Dia: 15mm (ID)
  - Thread Depth: 53mm
- Designed for guy ropes, stays, cables, ladder restraints. Suitable for use in concrete, natural stone, hollow core slab and hollow brick.

### Part number examples

FCAX-TRI-BRKT-22	Triangular fixing bracket 22
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## Eyebolt Expanding 2A

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M10 thread

### Features

- Hole Size: 8-10mm
  - Overall Length: 94mm
  - Ring Dia: 15mm (ID)
  - Thread Depth: 53mm
- Designed for guy ropes, stays, cables, ladder restraints. Suitable for use in concrete, natural stone, hollow core slab and hollow brick.

### Part number examples

ENFF-EX-EYE-BOLT-16MM	Triangular fixing bracket 22
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## Fibre Locking Mechanism

For Ultra-Lightweight Overhead Cables

### Features

- Multiple FLMs can be fitted on a pole
  - FLM attaches to a wooden pole with 4 fixing screws
- The FLM provides an effective solution that isolates the termination of the fibres, either spliced or connectorised, in the fibre enclosure from the 'in span' environmental loading (ice and winding).

### Part number examples

FCAX-T0116	Fibre Locking Mechanism
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## Helical Dead End (Spiral Wrap)

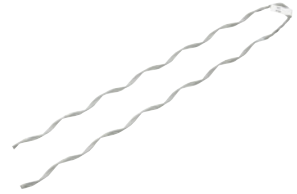
For fixing ADSS round cables from 4.5 to 19mm on telecommunications distribution networks

### Features

- For securing ADSS cables on spans up to 90m
  - Simple and fast installation requiring no tools
  - Installation with zero bend radius constraint
  - Suits to all field configurations
- Fixes ADSS round cables from 4.5 to 19mm on telecommunications distribution networks with span configurations up to 90m and a maximum load of 3.5kN.

### Part number examples

FCAX-GS-HEL-DEADEND-6MM	Helical dead-end short span Ø 6-6.5mm
FCAX-GS-HEL-DEADEND-7MM	Helical dead-end short span Ø 7-8mm



## Subscriber Drop Clamp

For use with Hexatronic FTTP Aerial Subscriber Node up to 5mm in diameter

### Features

- High strength
  - Can be used on hook or closed loop
  - Pole mounted cables
  - Low cost
- The unique construction allow standard cables and pre-terminated cables to be quickly deployed without tools. Can be attached to a BT pole header and a simple ring

### Part number examples

FCAX-FIX-DRP-TLS-35F	Subscriber drop clamp
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## Anchoring and Connection Clamp

Enable the dead-ending on poles or facades of round drop cables Ø 3 to 9mm

### Features

- Simple and fast installation, requiring no tools
  - Installation with zero bend radius constraint
  - Mounting on all pole line hardware
- An excellent choice for the dead-ending of FTTH round cables with a rigid structure, engineered with an opening conical body, a jaw with two plastic wedges and a flexible bail.

### Part number examples

FCAX-AC35L-360	Drop clamp round cables Ø 3-5mm bail 360mm
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## Ultra-Lightweight Preparation Tool Kit

All the required tools for Hexatronic's Ultra Light-Weight cable

### Features

- Precision preparation
  - Convenient - custom storage tooling
  - Foam-lined: full protection of tools
  - Easy blade replacement
- This tool kit contains, 3-Hole Fiber Optic Stripper, Slitter & Grip Assist Tool, Buffer Tube Scorers, Side cutting pliers 5" and the 16-Channel Mid-Span Fiber Access Tool.

### Part number examples

FOTT-ULW-PREP-KIT	ULW Preparation tool kit
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## Discreet NanoClip™

Incredibly strong and invisibly small cable wall-clip

### Features

- Indoor / Outdoor
  - Discreet and barely visible
  - Available in white, brown and black
  - Swift installation
- A fire-safe, 18th Edition compliant cable clip designed to fit 2mm and 3mm Fibre Optic cables, hearing loop cables and other small diameter cables.

### Part number examples

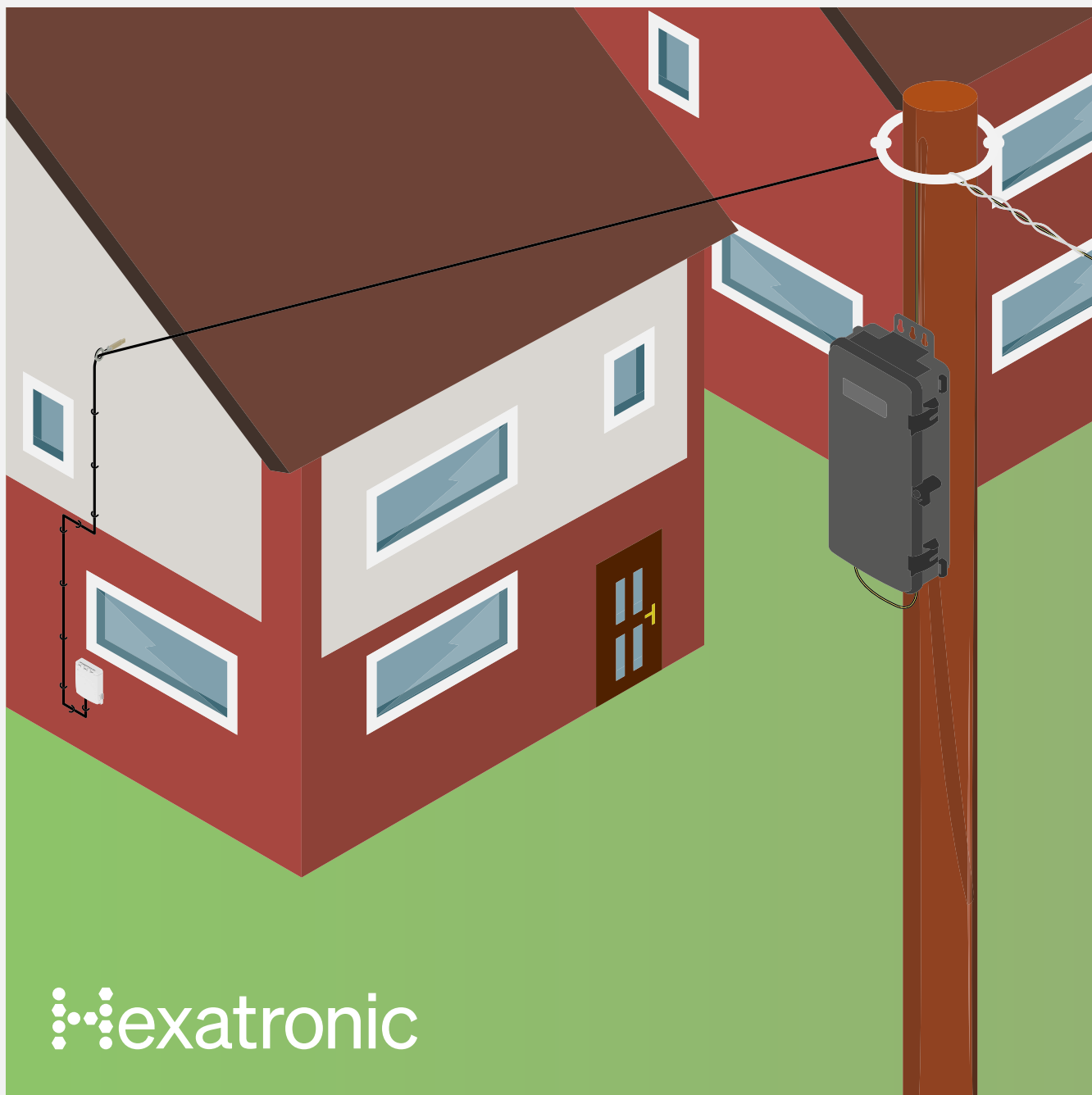
ENFF-DIS-CLIP-3MM-MTL-BK	Fastener - Discreet NanoClip™ - 3mm - Metal - Black
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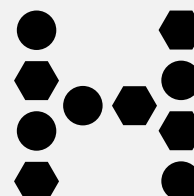
# Solutions for any fiber optic application



 hexatronic

With Hexatronic you can have an optimized end-to-end solution for any kind of application. In this example of a FTTH aerial install, we are using:

- Aerial Subscriber Node
- Ultra-Lightweight Aerial Cable
- Spiral Wrap
- External Drop Cable
- Discreet NanoClip
- Customer Termination Box 3



Don't know which products to combine?

One of our solution experts will help you find the optimal products for your specific applications and needs.

Custom branding  
available

hexatronic



A lasting link to the future

[hexatronic.com/uk](https://hexatronic.com/uk)

Hexatronic creates sustainable networks worldwide. We collaborate with customers on four continents – from telecom operators to network owners – and offer leading, high-class fiber solutions for all conceivable areas of use.

