



Solutions Overview

Transport & Core



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Transport & Core

Future-ready fibre infrastructure for connected transport

Modern transit networks rely on resilient, high-performance connectivity to support critical operations, passenger services, safety systems and continued digital growth.

Hexatronic provides infrastructure solutions for metro, rail and long-distance transport environments - from ducts and optical cables to closures, street furniture, active connectivity and powered fibre.

Designed for scalability and efficient deployment, our portfolio supports every layer of the passive network.



Primary Ducts

Up to 80% of network build costs can come from civil works and installation, so choosing the right underground infrastructure from the start is essential. Smart design decisions help support future capacity, flexibility and long-term cost efficiency.



Future-ready capacity

Designed to support network growth and future upgrades.



Durable installation

High-quality materials built to perform in underground environments.



Efficient network build

Smart product selection balances CAPEX and OPEX from day one.

PVC Duct



HDPE Duct



Supporting Accessories

We offer a full range of accessories for the handling, processing, and installation of HDPE and PVC cable protection conduits and multi-subduct systems.



PVC Duct - Key Specifications

- **Standards**
BS EN 31386-24 compliant telecoms ducts.
- **Sizes and lengths**
Available in 6 m lengths and delivered in a recyclable stillage.
- **Options**
Multiple colourways, duct diameters and IP4x or IP68 connection sockets.
- **Complete system**
A comprehensive range of elbows, bends and connectors completes the range, ready for deployment.

HDPE Duct - Key Specifications

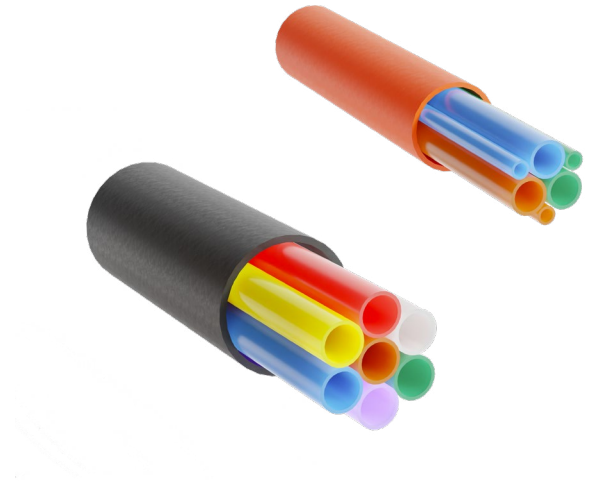
- **Standards**
BS EN 31386-24 compliant telecoms-grade simplex microducts.
- **Sizes and lengths**
Available from 20 mm OD up to 63 mm OD.
- **Options**
Multiple colour options are available. Products can be pre-roped or non-roped, coiled or reeled.
- **Installation Flexibility**
Multiple products can be combined on a single reel when required.

Microducts

Microducts perform three major functions within a network: a pathway for cable installation, a protection solution for business critical assets and an upgrade capability for future capacity.

Selecting an appropriate microduct to suit the installation environment, installation methodology, and the cable housed within it is key to optimising both build and maintenance costs.

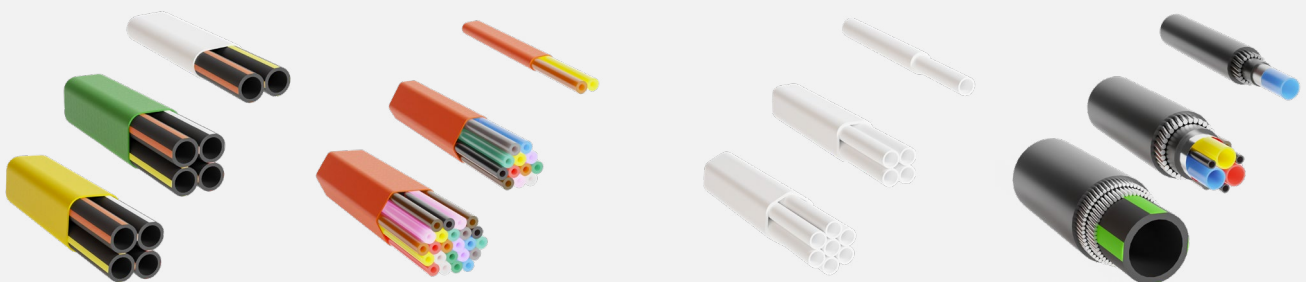
As a foundation element of your network, microducts will dictate capacity, versatility and durability of your assets, therefore compromises in product specification are ill-advised; CAPEX savings in this area often lead to escalating OPEX overheads in years to come.



Hexatronic's extensive experience in microduct design, material blends & production techniques combined with our stringent validation and QA processes ensure our micro ducts offer class leading quality and installation performance, both for the microduct and the micro cables installed within, optimising Total Cost of Ownership for the lifetime of your network.

Microducts and microduct assemblies are available for a broad range of installation environments from underwater to direct buried and duct installation. Hexatronic can offer both simplex and bundled ducts for any application.

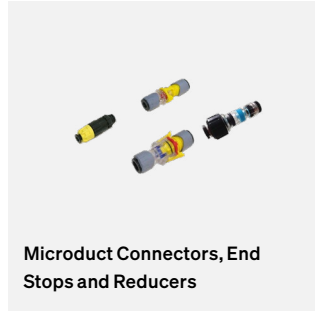
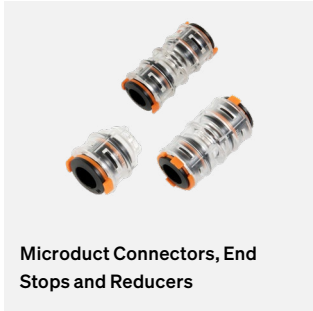
To provide a hassle-free installation experience, all ducts are made of low memory materials that minimises the "curly duct" -effect when rolling out ducts from a drum. During manufacturing, continuous monitoring of dimensions and tolerances are done by e.g. x-ray. 100% of all ducts are tested with an inner clearance test (bullet).



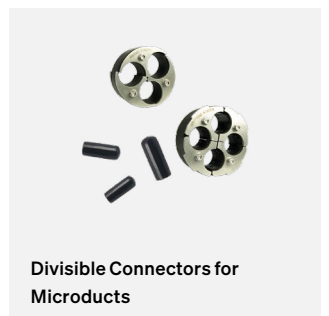
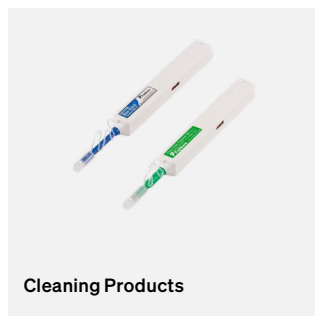
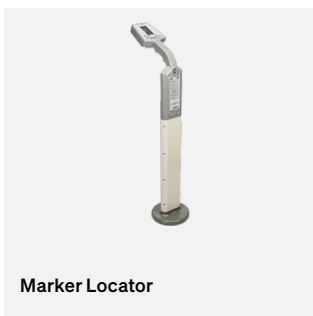
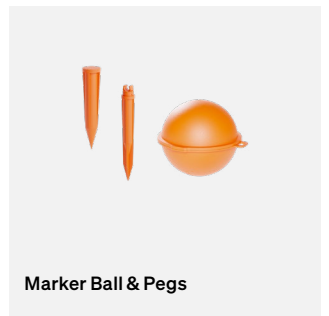
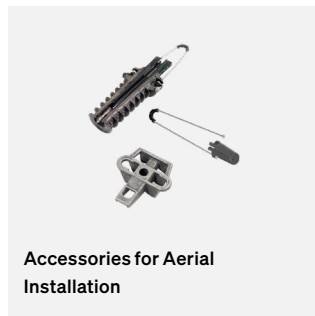
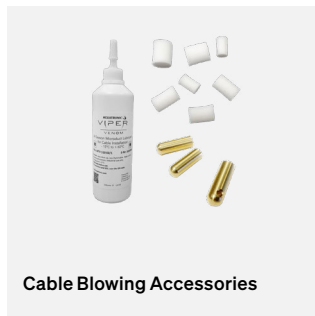
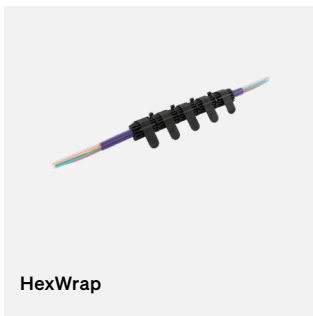
Microduct Accessories

A comprehensive range of accessories and cable blowing machines designed to compliment Hexatronic microduct systems and support interconnection, sealing, protection and efficient installation across the network.

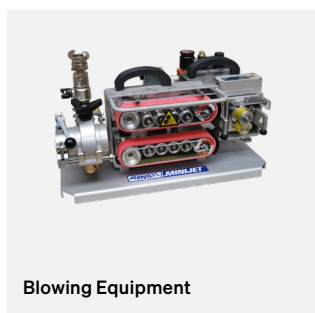
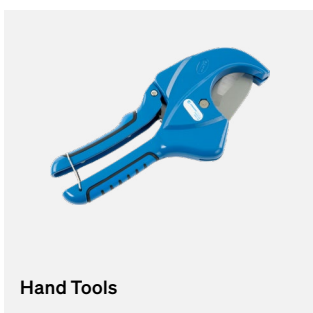
Connect & Seal



Protection & Installation



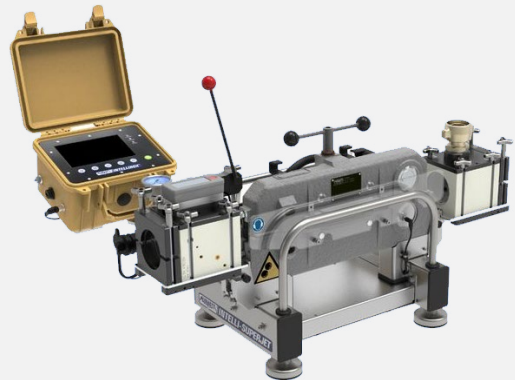
Tools & Consumables



Official UK Distributor of Plumettaz
Industry-Leading Blowing Machines



IntelliJet™



SuperJet™

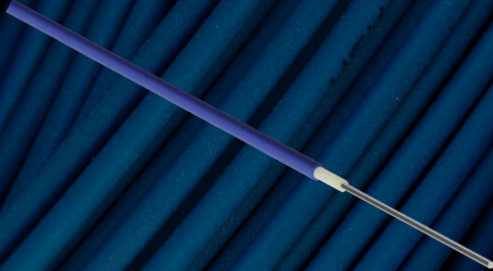


Optical Cables for Transport & Core

The passive infrastructure in any fibre optic network is a long-term investment. It needs to be built on scalable and future-proof technology that is optimised in terms of capacity, quality and operational expenditure.

With more than 40 years of experience in the fibre optic cable industry, we know the meaning of quality and reliability, the cornerstones that enables lowest Total Cost of Ownership for our customers.

Blown Cables:

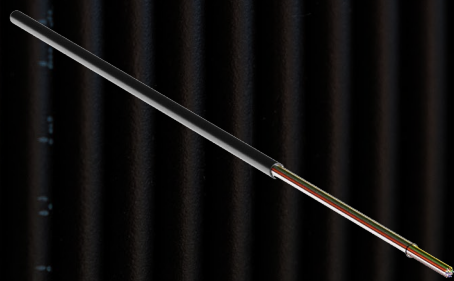


A single Stingray ABF optical cable is shown against a background of many bundled cables. The cable has a purple outer jacket and a silver-colored metal ferrule at one end.

Stingray ABF

The original and still the best. Universal installation performance using premium grade glass, available in 2f to 12f formats. Ideal for Edge applications.

STINGRAY™

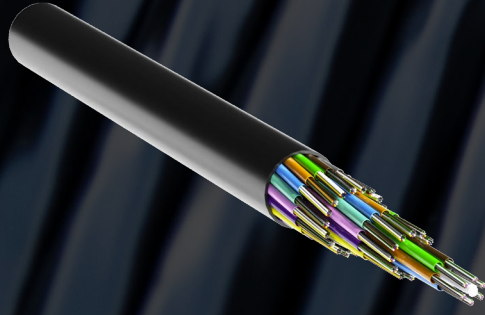


A Raptor Nano optical cable is shown against a background of many bundled cables. The cable has a black outer jacket and a silver-colored metal ferrule at one end.

Raptor Nano

2f to 24f in a central tube design for optimal installation performance within microducts. Suited to Edge and Metro applications for multifibre service delivery.

RAPTOR™



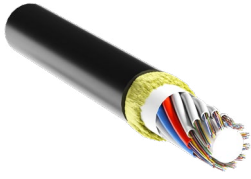
A Viper optical cable is shown against a background of many bundled cables. The cable has a black outer jacket and a multi-colored ferrule at one end.

Viper

Our enhanced range of Viper micro cables includes standard and super slim versions along with dry blocked and ultra low attenuation options from 12f to 864f. Great for Metro & Transport applications.

VIPER™

ADSS Aerial Cables:



Loose tube cables from 12 to 192f using premium glass and designed for aerial 4kN to 18kN installations. Ideal for utilities poles on long distance networks.

Ultra-Lightweight Cables:



Dry blocked aerial cables for Openreach PIA applications, fibre counts from 12f to 96f available. Great for Edge & Metro networks.

Duct Grade Cables:



Concentric core, slim, loose tube cables with a central strength member. Can be blown, pulled or pushed into ducts and fibre counts available from 24f to 864f. Suited to long haul and metro networks.

Direct Buried Cables:



Concentric core and unitube designs for direct bury installation. These cables feature corrugated steel tape armouring and UV stabilised HDPE outer sheath for additional protection. Designed for Metro and long haul applications where longevity and robustness are a pre-requisite.

Submarine Cables:



Fibre in Metallic Tube designs with single or dual layer Steel Wire Armour, water blocked with a high visibility polypropylene strand outer jacket. Tough, and then some, options available for fresh and salt water up to 192f and a depth of 3km.

Optical Closures

Hexatronic's very own range of cost-effective, high spec joint closures for every installation environment.

The range, for both indoor and outdoor installation, includes closures optimised for virtually all conditions, and for small, medium and large fibre 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 fibre cables and microducts.

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

Nano Closures:

Very small form factor IP68 single ended micro closures, ideal for hand holes, poles and direct bury. Able to accept cables or ducts, with the ability to house splicing connectors or splitters. Ideally suited to demarcation, repair and fibre storage applications for 24f or less.



Inline Closures:

Distribution, Drop and Repair closures from 1f to 144f. Capable of housing LT & Ribbon cables with midspan capability and independent drop ports. IP68 rated, secure and robust. A flexible option for Distribution and Repairs.

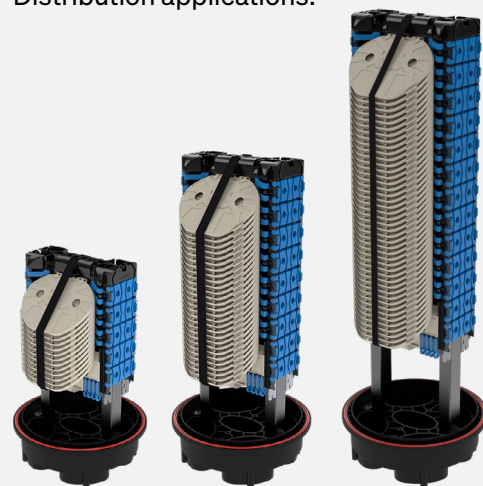
SHDC Closures:

Small form factor single ended dome closures. Splice capacities from 12f to 576f. Available with mechanical or heat-shrink port seals, suitable for midspan and butt joints, IP68 rated, able to house passive elements, splicing and connectors. Suited to Metro and Distribution applications.



LHDC Closures:

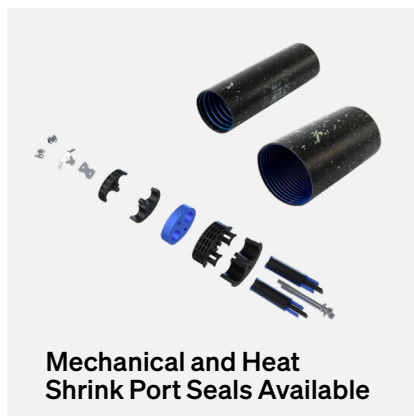
High capacity single ended dome closures for splicing and distribution applications. Splice capacities from 12f to 2112f, with the ability to accept LT & Ribbon cables for midspan and butt joints. Also able to accept passive devices and connectors. IP68 rated and suited to Core, Metro & Distribution applications.



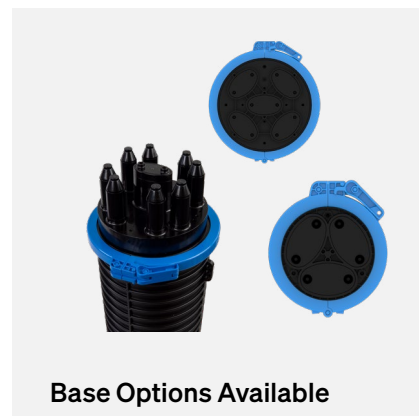
Hexatronic Dome Closures support adaptable network deployments with peelable port access for fast connection, a wide range of mechanical sealing options and multiple base configurations for maximum installation flexibility.



Peelable Port Access



Mechanical and Heat Shrink Port Seals Available



Base Options Available

Mechanical Port Seals - Product Range



Adding cable entry ports could not be simpler with Hexatronic's toolless design. No special tools are required - simply peel out the seal and clean up any sharp edges with the emery paper supplied in the seal kit. It's quick, easy, and hassle-free, ensuring a smooth and efficient installation process.

Mobra Arm 650

Pivot arm for installation in chambers.

A range of pivot arms available.



Mounting Brackets

Robust brackets for securely mounting equipment within chambers.



Universal Mobra

A selection of universal chamber mounting brackets, arms and accessories to suit your network.



Splice Trays

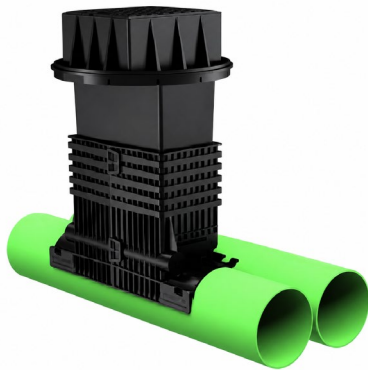
Organised fibre splicing, routing and storage within the closure.



Micro Chambers

Access and egress of trunk duct routes is a key aspect of long haul network design. Traditional chambers are excellent where high capacity branching and distribution are the objective, however, for lower capacity access a micro chamber can offer a far more effective solution.

Micro chambers can be installed on Day 1 of Primary Duct installation, or retrospectively on demand, their minimised footprint offer significantly reduced civils works and materials costs, offering a compelling TCO advantage - especially on long haul networks with multiple access points required.



Trunk Micro chambers are a 'piggy back' option for trunk ducts. Depth adjustable, Grade 2 rated micro chambers for access to or egress from large diameter Primary Ducts.

Ideal for branching and drop applications on long haul routes where a cost effective solution is required in lieu of a full size access chamber.

The Hexatronic Toby Box - the original and still the best, a million field deployments make a clear statement when it comes to the product of choice.

Used for asset/building demarcation from the UG network and able to house distribution assets such as micro closures. Offering hand hole & storage benefits within a Grade 2 rated assembly.



Accessories

Toby box accessories to enable the adaptation and customisation of micro access chambers for a multitude of applications.

Options include stackable expansion rings, swept egress covers, dust adaptors, duplexing kits, installation aids and host of innovation components to enable a truly versatile and re-configurable UG demarcation or storage platform.



Street Furniture

Engineered for the FTTx market with over 10,000 successful deployments, Hexatronic Street Furniture enclosures are built to meet the demands of today's telecom networks - and tomorrow's.



Durable outdoor protection

IK10-rated stainless steel enclosures provide exceptional impact resistance and long-term durability.

A powder-coated and textured finish ensures outstanding corrosion resistance in all environments.

Secure by design

2-point locking, anti-vandal hinges and lock bezels protect your assets where they matter most.

Internal thermal regulation and cross-flow ventilation minimise the impact of solar gain and condensation.

Modular and configurable

A 180-degree opening provides easy access, while the modular interior supports effortless maintenance and upgrades.

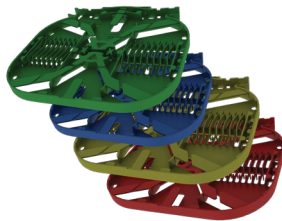
Network topologies and functionality vary by customer and application - we deliver the flexibility you need.

Modular In-Cabinet Designs, Bespoke to your Needs



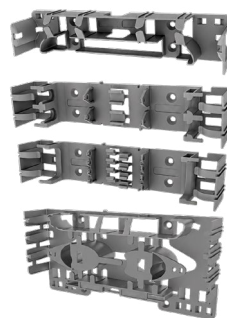
Splitter Modules

Supports compact splitter integration and efficient fibre distribution.



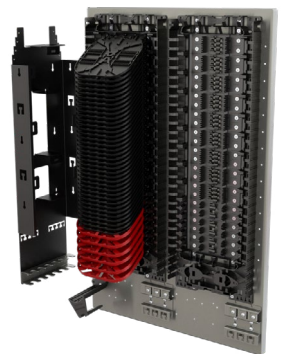
Splice Trays

Provides organised fibre splicing, routing and storage.



Mounting Components

Flexible hardware for adapting internal cabinet configurations.



Backboards

Modular platforms for mounting and managing network components.

With expert support from our Application and Solutions Managers, we configure each cabinet to perfectly suit your network - whatever the application, topology or cable type.

Mast Connectivity

Mast riser cables for Remote Radio Unit (RRU) and Baseband Unit (BBU) interconnectivity.

Our hybrid riser cables innovatively integrate both optical and DC power elements within a single cable assembly, reducing mast congestion by combining delivery components and reducing overall installation timings.

Hexatronic wireless infrastructure cabling system is designed to reduce CAPEX and OPEX for 4G and 5G networks. With pre-terminated cable assemblies, connection closures, cabinets pre-configured with fuses and latest generation of smart battery backup technology, Hexatronic has a total solution optimized to work seamlessly together with your wireless network.



Riser Distribution Units

Wide range of standard configurations and bespoke options for all environments.



Power Distribution Units

Power To The Antenna or Hybrid Systems



Modular & flexible

Wide range of standard configurations and bespoke options for all environments.



Complete system

From riser cables and termination boxes to accessories, we provide everything you need for reliable deployment and installation.

Riser Solutions & Accessories

Hybrid Cable Assembly for RRU



PTTA System Solution



Cable Assemblies with Connection Box



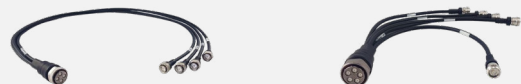
Accessories for Hybrid Systems



FTTA Fibre Trunk Cable for RRU



Hybrid Jumper & RET Cables



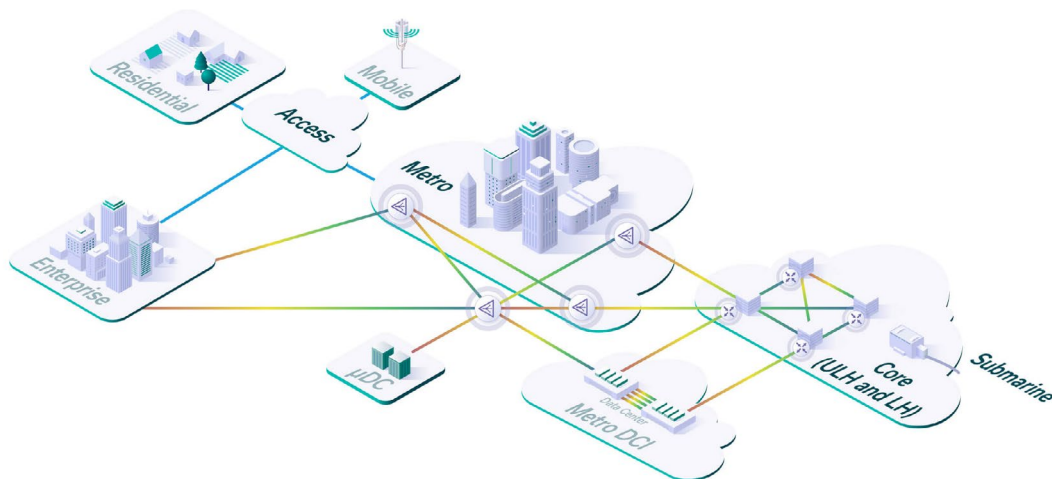
Active Platforms

Knowledge, experience and technologies from our sister companies are available to each Hexatronic entity globally, enabling access to specialist products and subject matter experts on demand.

This approach enables Hexatronic to offer products and dedicated support from our group specialists such as Apticom, a market leader in Transceiver Technology.



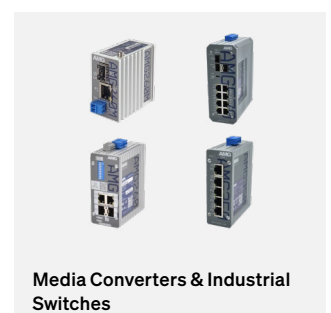
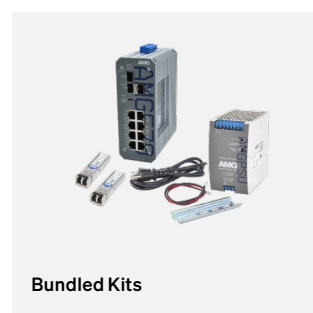
Apticom's extensive portfolio spans all areas of the modern communications network, with solutions for Last Mile, Metro, Backbone and Datacenter, including customised coding and specialist applications.



Whether your requirements are Multimode, Singlemode, Short Reach, Long Reach, xWDM, TDM or BiDi, we have the solution, along with full factory support from pre-sales through to installation and troubleshooting.



Our Active Platform portfolio also features the market leading AMG Systems range of Media Converters, Industrial Grade Switches and Power Supplies to enable Layer 2 management of devices, which can be seamlessly integrated within our InOne and LAN product ranges.



Power + Data

IONE™

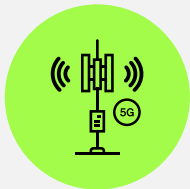
Endless possibilities for
Enabling Edge Networks



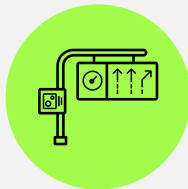
InOne Hybrid Powered Fibre

InOne™ Hybrid Powered Fibre delivers both power and data over a single cable. Purpose-built for remote edge networks, it simplifies infrastructure, accelerates deployment, and reduces total cost of ownership.

Application Examples



Public
Wi-Fi / 5G



Ticketing &
Access
Control



CCTV &
Security



Environmental
Monitoring



Smart
Lighting



Passenger
Information
Systems



Maintenance
& Works
Management



Trackside
Detection



InOne Physical Assets



Hybrid Access
Nodes



Hybrid Distribution
Nodes

One Cable. Power + Data.
Transit Networks Made Simpler.

Enabling the Infrastructure of Tomorrow

Complete Connectivity Solutions



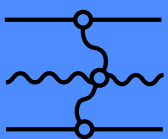
Optical & Copper
Communications
Cables



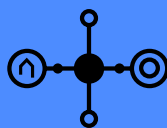
Duct &
Microduct
Solutions



Streetside
Distribution
Furniture



Aerial,
Underground
& Submarine
Connectivity

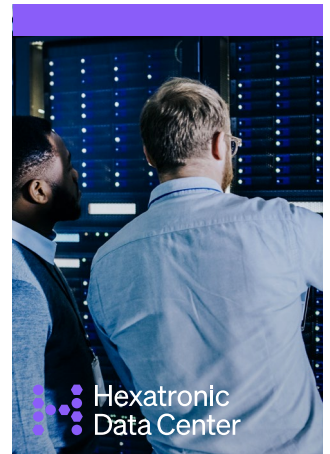
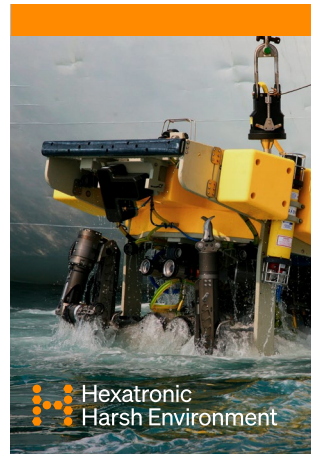
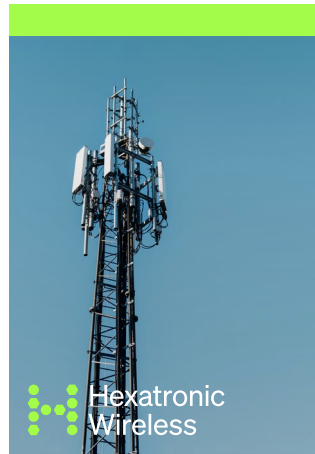
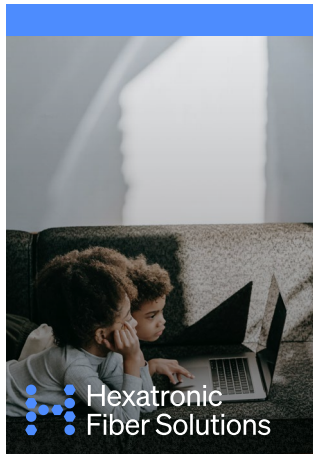


Edge,
Distribution
and Core
Network
Solutions

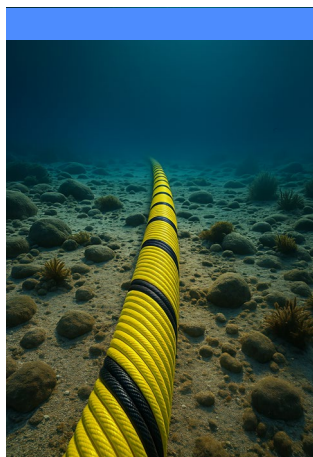


Harsh
Environment &
Tactical
Applications

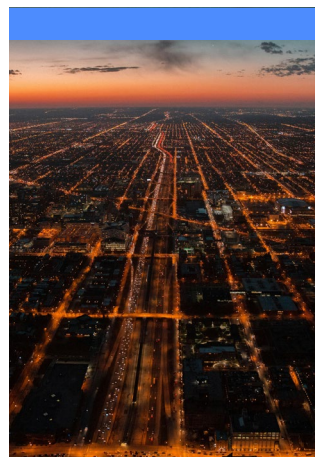
Core Solution Areas



Applied Markets



Transport &
Core



Smart Cities



Electrification

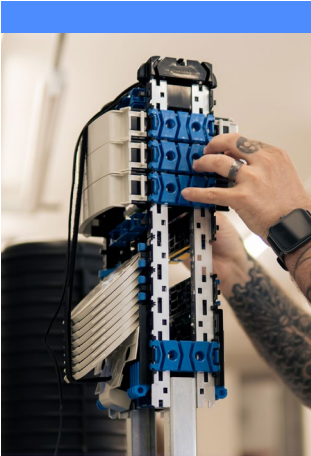


Enterprise &
LAN

Hexatronic Capabilities



In-House R&D



Production



Servicing



Testing & QA



Training



Solutions



Field Support



Logistics

Talk to our team

Our specialists can help with product selection, network design, technical support and project requirements.



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Phone
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Website
www.hexatronic.com/en-gb

Scan to explore
our main website



Scan to explore
our webshop



Why choose Hexatronic?



Complete System Solutions

End-to-end connectivity solutions
from design through to deployment



Close Partnerships

We work collaboratively to understand
your challenges and deliver together



Extensive Quality Control

Rigorous processes across design,
production and testing



Lowest Total Cost of Ownership

Reliable solutions that reduce costs over
the long term



Innovation

Continuously developing solutions to
meet evolving needs

Expert Support in the Field

Ensure a quick and smooth rollout of your network with guidance and technical help from our field support specialists.



Start-to-Finish Project Support

Guidance from initial planning through to installation and completion.



UK-Wide Field Support

Our team can travel across the country to support installers on site.



Right Product, Right Application

Advice on the products and tools best suited to each installation.



Hands-On Demonstrations

Practical demonstrations showing how our solutions work in real-world applications.



On-Site Problem Solving

Technical support to help resolve installation challenges and keep projects moving.



Connectivity creates opportunity. Hexatronic delivers future-ready fibre solutions for critical infrastructure, from telecom networks to rugged environments and data centers. Our systems are built to last, designed to scale, and supported by expert training and field services. In close collaboration with our customers, we shape solutions that strengthen communities and drive innovation in a connected world.

hexatronic.com/en

Speak to our team about your next project

We'll help you select the right fibre infrastructure, connectivity and configuration for your application - with expert support, responsive quotations and solutions tailored to your deployment.

Email: sales@hexatronic.co.uk
Phone: +44 (0) 2392 580 555
Website: www.hexatronic.com/en-gb
Webshop: <https://shop-uk.hexatronic.com>

