Distribution points

microfocus

The Building Blocks for Excellent End-to-End Networks

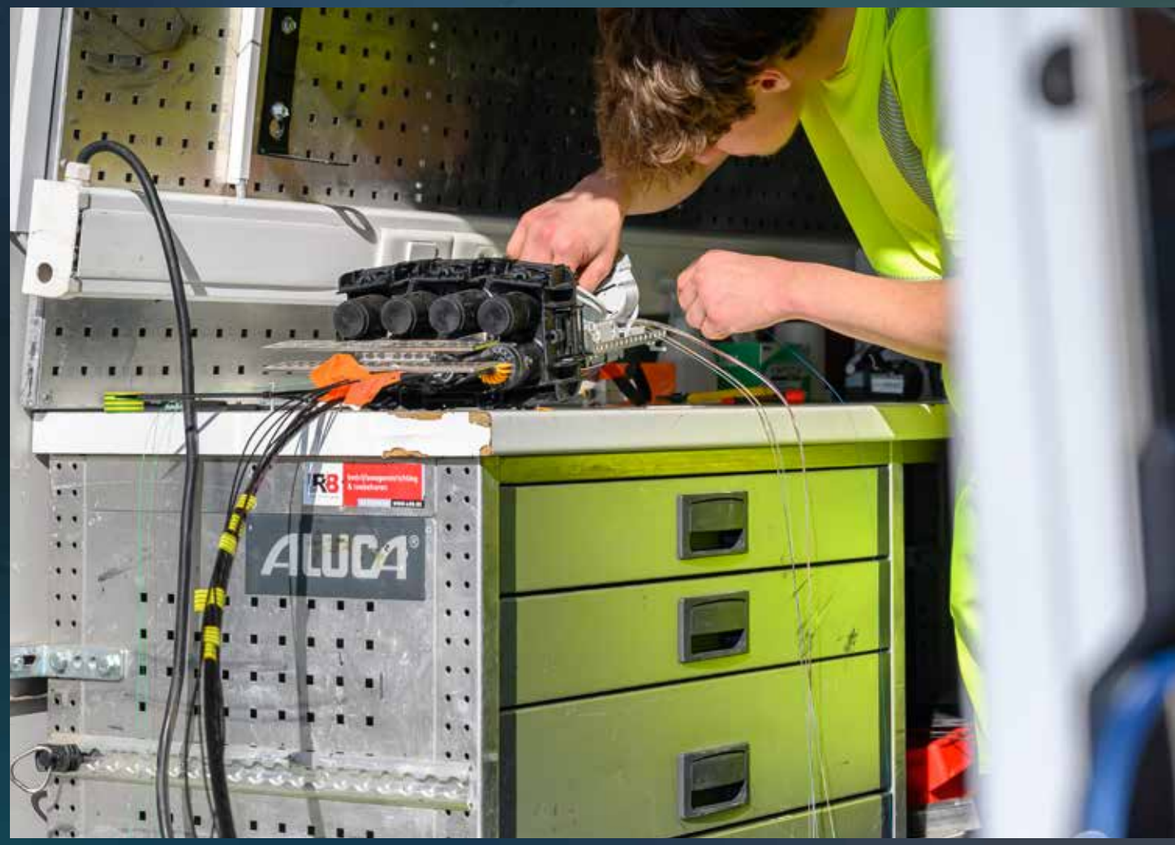
From local exchange points to the front door. And from the smallest fibers and tubes to prefab PoPs. Netceed delivers fiber networks from start to finish, by combining our six modular building blocks.

Our networks connect people. And when it comes to bringing people together, nothing but the best will do. It's why we believe in delivering the highest possible quality in all our work. From using the best components and materials to top-notch network design and engineering. It's how we realise highly reliable networks that require little maintenance. The evidence: our 25-year system warranty.

Distribution points in an FttX network

A Fiber Distribution Point consists of a closure, the associated organizer, and the optical components. Distribution cables used in the access network are spliced to the drop cables of individual subscribers.

Our Microfocus system can deliver a broad range of distribution points for any application. We offer both underground and above ground solutions.



01

Underground solutions

1 Microfocus µDP housing combined with the FIST-EDSA2 closure

The µDP housing is oval-shaped and has a polyethylene top cover. It is used to store one splice closure, as well as cable and/or micro-duct overlength. The µDP is installed into the ground directly, completely below the surface. Ducts and fiber optic cables are connected through the inserts.

The µDP housing provides easy access to the Microfocus FIST-EDSA2 fiber splice closure, which enables faster and easier installation of microducts and direct-buried cable. The FIST-EDSA2 features innovative sealing and cable retention for a wide range of cables, combined with proven gel seal technology and FIST fiber management. Other closures like TENIO and BPEO can also be installed in this universal Microfocus µDP housing, depending on the customer's application.

FIST-EDSA2 FttH features:

- Single-ended base and dome design with only two latches
- One oval gel-sealed wrap around feeder port with integrated water/gas blocking for up to 2 feeder cables or microducts (Ø 4-16 mm)
- One round gel-sealed entry/exit port allows for additional mini, riser and drop cables using FIST-RSKG/SIL gel seals
- Four long oval gel-sealed wrap around drop ports for up to 12 drop cables or microducts (Ø 5-8 mm) each (max. 48 drops)
- Suitable for window cut and end applications
- Toolless and wrap-around cable attachment installation
- Single-sided UMS (Universal Mounting System) frame allows mounting of FIST management groove plates and trays
- Repair and upgrade possibility
- Intuitive identification

2 EK378 Langmatz manhole in combination with the FIST-GCO2-FX

The modular polycarbonate EK 378 manhole in our Microfocus range is a solution perfectly suited for applications with harder surfaces. It's a durable and flexible alternative to concrete manholes. This modular system is made of fiberglass-reinforced polycarbonate. The metal frame consists of hot-dipped galvanized steel and is coated with environmentally friendly acrylic. The lids are manufactured from nodular cast iron.

These manholes form a perfect combination with the FIST-GC02-FX: an environmentally sealed fiber optic enclosure that efficiently organizes both the passive components and the spliced and uncut fibers.

FIST-GC02-FX features:

- Made of thermoplastic material
- Closure consists of dome and base, sealed with O-ring and latch system
- One oval entry point for looped (uncut) cable management
- Six round ports for single cable entry/exit
- Cable seals manufactured from heat shrinkable or gel material
- UMS providing foundation to mount SOSAs and SASAs cassettes
- Different types of trays can be used in the groove plates (SE, SC, SLE, Ribbon and SHD)
- Up to 288 splices can be stored
- Uncut loose buffer tube storage available behind UMS-profilesossibility

3 EK478 Langmatz manhole and modular splice closures

The Langmatz EK478 has dimensions of 400 x 1165 mm, making it the perfect match for different types of splice closures.

The FIST modular splice closure is a solution that helps providers push the boundaries of what's possible. This innovative closure is designed to give customers the freedom to respond to future changes, while delivering unparalleled reliability. It is composed of different building blocks to meet specific client needs. Compatible with the widest range of cable types, the closure brings all-in-one versatility to networks, while maintaining easy access to the individual fibers within those cables.

Modular splice closure features:

- Up to 1248 splices with standard domes
- Compatible with all fiber types
- Completely removable base, with easy access during installation and provisioning
- Underground, ground-level, and aerial use
- Fully wraparound, 100 percent mechanical seal
- Universal termination for cables from 1-27 mm
- Possibility of opening gel segments with cable retention in place

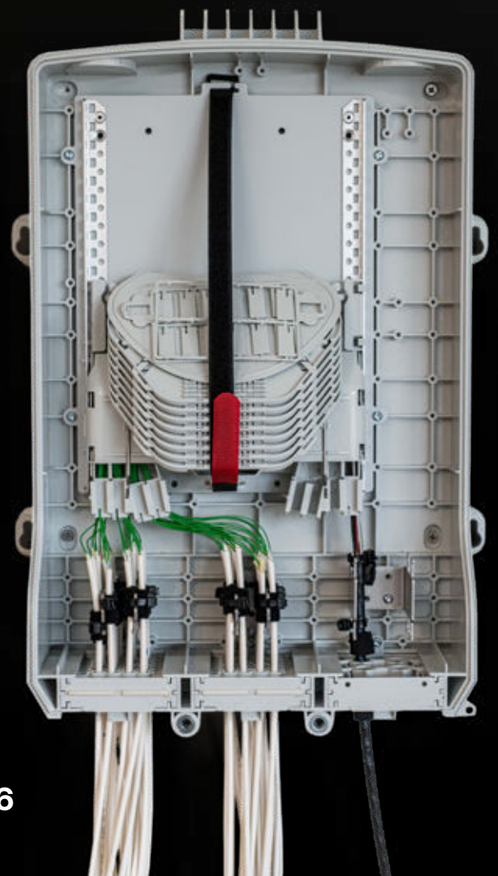
The housings and closures mentioned above are three typical combinations for underground solutions. Of course we have a lot of other underground systems that can be a perfect fit for your application. Our specialists will gladly share their knowledge and expertise to help you find a solution that meets your specific needs.

02

Above ground solutions

1 Fiber Wall Boxes

The Microfocus portfolio of wall-mounted, indoor and outdoor fiber boxes is a modular and configurable platform for building entrance deployments. Available in a large variety of models to meet the needs of a wide range of MDU and FttX applications, it offers rugged environmental protection. It is UL listed, UV resistant, IP54 rated and designed for easy installation and accessibility.



Building splice boxes are ideal for small to medium sized buildings. They provide a flexible fiber management system to transition outside plant cable to indoor cable via splicing or using connectorized cable assemblies. Through proven fiber routing procedures, cable termination accessories and splice trays, they ensure consistent, high-quality fiber management. Available add-on passive optical modules support the new G/EPON architecture. The BUDI portfolio offers the flexibility to address the needs of today's and tomorrow's fiber networks while maintaining commonality of components and operational practices.

2 Street cabinets

Microfocus street cabinets serve as an above-ground distribution point in an FttX network. Micro tubes are fed into the street cabinet from a central PoP (Point of Presence). The high-fiber blown mini-cables are spliced either into splitters or directly into low-fiber micro-cables. From here, they are distributed to the local loop, a single home, a multi-dwelling unit or a business location.

Features:

- Easy above-ground access
- High security against vandalism (IK10)
- Weather resistant (IP54 protection standard)
- Needs-based assembly and expansion, e.g. with FIST splicing cassette system
- Storage management for tubes and fiber-optic cables
- Simple and fast installation using proven technology
- Variety of case sizes

Netceed offers a wide range of cabinets for many different FttX applications. For the ideal solution for your network infrastructure, please speak to a member of our specialist team. We will be delighted to assist you.

3 Façade Closures

Façade solutions allow for FttH deployments in urban areas with little impact on the immediate environment. They increase deployment speed and reduce the Total Cost of Ownership.

The Distribution Termination Point Façade (DTP-F) is an IP55 compact closure with easy access. It features retractable riser cables, in which the opening made to retract the fibers is protected by a window-cut clip. This makes deployments agile and flexible.

Up to 48 splices can be organised. Depending on the product, feeder cable diameter can vary between 8 and 12 mm and the drop ports range from 3 to 7 mm.

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beyond fiber

Get in touch

Our team of experts looks forward to helping you find the right solution for your project. Feel free to get in touch to discuss your project's requirements.

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