Your End-To-End FTTx Network Build Partner

Supporting operators in the race to build Gigabit Britain
End-To-End FTTx Network Build Solutions

From Central Office all the way through to Customer Premises, Mills has ALL the digital infrastructure products, tools and equipment needed for your GIGABIT BRITAIN network build.
The Race To Deliver Gigabit Britain is ON!

Mills: Your End-To-End FTTx Network Build Partner.

With the UK Government’s target to deliver nationwide Gigabit capable broadband by 2025, and the recent reforms regarding access to Openreach’s duct and pole infrastructure, the race to build the FTTx networks required to deliver Gigabit Britain is truly on!

Through strong partnerships with the leading manufacturers in the industry and our heritage in the supply of tools for over 100 years, Mills now offers an unrivalled end-to-end FTTx network build solution to operators, communications providers and contractors.

Our recent move to a new 60,000 square foot warehouse demonstrates the level of Mills’ commitment to satisfying its customers’ ever increasing demands, ensuring Mills is their partner of choice for FTTx products from the beginning to the end of their network build.
Central Office & Headend

For the start of your network build, Mills offers Central Office & Headend products from the leaders in the field.

- Optical Distribution Frames (ODF)
- High-density fibre management systems
- Raceway systems for fibre routing and protection
- Pre-terminated fibre cable assemblies
- Ribbon Cables
- Patch Cords
Fibre Cables

Mills offers a broad range of fibre cables in an assortment of constructions and fibre counts from the industry’s leading manufacturers.

- Blown Fibre Micro and Mini Cables
- Pre-Connectorised Fibre Systems
- Overhead (Aerial) Fibre Cables
- Direct Burial Fibre Cables
- Fibre Drop & Riser Cables
- Fibre Spine Cables
- Ribbon Cables
Fibre Splicing & Cleaning

Mills is proud to be a distribution partner for Sumitomo Electric, whose fusion splicers are used world-wide by carrier-grade network operators and offer a class-leading splice loss performance of 0.01 dB.

- Fusion Splicers
- Ribbon Cable Fusion Splicers
- Fibre Cleavers
- Fusion Splicing Fibre Preparation Toolkits
- Fibre Cleaning Products
- Polemate/Pitmate Splicing Work Platforms
When it comes to fibre preparation tools, Mills offers the most extensive range in the industry. With Mills MasterClass fibre hand tools featuring a lifetime warranty, and offerings from the other major brands, you can be sure Mills has the tool you need to get the job done efficiently.

- Fibre Strippers, Slitters, Cutters & Scissors
- Fibre Toolkits
With over 30 years of history and approximately 1 million kilometres of blown fibre tubing supplied for infrastructure in the UK, Emtelle’s expertise is unrivalled as the industry leader in plastic tubing for telecommunications. This is why they are Mills’ ducting partner of choice.

- Blown Fibre Tubing
- Microducting
- Multiducting
- Subduct
- Ducting
- Pre-installed Fibre Ducting
Having the right duct preparation tools is critical in getting the installation of duct systems right first time. This saves costly wasted time on site attempting to blow fibres unsuccessfully and expensive call-outs for rectification and re-blowing. Duct integrity verification tools further reduce these risks.

- Microduct, Subduct & Duct Cutters
- Blown Fibre Tube Reaming, Deburring & Rounding Tools
- Microduct Tracing, Identifying and Integrity Verification Equipment
Fibre splice joint closures must offer reliability, flexibility and density whilst being quick and easy to deploy in order to meet the challenges operators face in the race to deliver Gigabit Britain.
Chambers
In order to speed up the deployment of underground cabling systems, Mills offer Cubis pre-formed chamber systems that eliminate the need for specialist box building teams and concrete backfill.

Street Cabinets
Sichert polycarbonate cabinets are extremely weather resistant and offer 50+ years’ lifespan. With more than 400,000 cabinets already deployed, they guarantee trouble-free operation over a long period of time.

Joint Boxes & Toby Boxes
The best-in-class handheld cordless air blown microfibre installation gun, for fibre to the home/premises.

Designed with the Drop Fibre installer in mind, the F.I.G. is a lightweight, battery-powered compact blowing gun that features an innovative and simple to use ‘no-crush’ fibre loading mechanism that prevents cable damage and wastage - in addition to saving the fibre installer valuable set up time.

The F.I.G. features unique anti-buckle technology to prevent fibre damage whilst blowing and its ‘cruise control’ technology enables hands-free operation.

It is optimised to deploy reeled ballistic microfibre up to 2.0 mm diameter into 5 mm, 7 mm and 8 mm microducts over distances up to 2000 m.
Fremco fibre blowing machines are hand made in Denmark and are built to last. All machines are backed up by a 36-month manufacturer’s warranty.

These machines offer proven performance in extremely harsh environments (cold, hot, damp or dry) due to their reliable, robust design and construction.

They are easy to operate and maintain, have the minimum number of moving parts possible and are user serviceable.

All of these benefits add up to a range of machines offering minimum downtime and maximum utilisation, so more cable blows can be taken on and delivered successfully and efficiently.
Mills Polemate / Pitmate
Modular Splicing Work Platform System

A modular work platform system specifically designed to assist fibre splicing technicians when fusion splicing on poles or in pits.

Polemate

The Polemate system foundation is a base unit that can be fixed to a pole, using the included ratchet strap, that then allows various splicing trays or cable reel stands to be quickly and easily mounted, providing a stable platform whilst on site.

Pitmate

The Pitmate system foundation is a fully adjustable Mobra Arm Bracket that can be quickly clamped into the pit metal frame work. Once clamped in position, various splicing trays or cable reel stands can be quickly and easily mounted, providing a stable platform whilst on site.
Physical Infrastructure Access (PIA) enables licenced Communication Providers (CPs) to install sub duct or cable into Openreach’s existing access duct infrastructure and to attach cables on Openreach’s existing poles.

PIA enables CPs to build and expand their fibre networks in far quicker timescales and at lower costs than if building from scratch. All work must be done in compliance with Openreach’s specified engineering rules and health and safety standards.

- Pole Furniture
- Chambers
- Overhead Fibre Cable
- Underground Fibre Cable
- Sub Duct
- Spine Duct
- Lead In Duct
- Blown Fibre Tubing
- Identification Labels
Aerial fibre cable deployment can be one of the most cost effective and fastest methods to connect the customer if existing pole infrastructure is available for use, avoiding the need to dig up roads to bury cables or ducts.

- Tensioners
- Straps & Chains
- Pole Lifting, Handling & Installation
- Pole Furniture
- Fibre Joint Closures
- Aerial Grips, Clamps & Brackets
- Drop Fibre Cable
- Ladders
- Height Safety & Fall Arrest Equipment
Underground cable deployment in ducting offers robustness: protecting the cables from the elements and accidental damage, enabling cables to be air blown and avoiding unsightly overhead cables in dense environments.

- Rods Duct & Accessories
- Cable Grips, Swivels, Links & Guides
- Ropes
- Chambers & Joint Boxes
- Manhole Furniture
- Lifting Keys & Cover Lifters
- Resins & Compounds
- Fibre Joint Closures
- Duct Sealing Systems
Street works form a significant proportion of the costs to deploy fibre networks. Therefore it is essential that the appropriate tools and equipment are utilised to ensure that works are completed on time and in a safe and compliant manner, avoiding fines and accidents.

- Cable Drum Rollers, Dispensers & Jacks
- Cable Drum Trailers & Winches
- Cable Guides & Rollers
- Jointers Tents, Shelters & Covers
- Barriers, Guards & Cones
- Road Signs
- Digging Tools
- Ladders
If there’s a tool you need to build a communications network, you can be sure that Mills has what you need. With over 100 years in the tool business, we’ve got it covered!

- General Hand Tools
- Copper Cable Preparation Tools
- Power Tools & Cutting Tools
- Smart Meter Installation Tools & Equipment
- Tool Storage
- Toolkits
Why pay for tools you don’t need? With Mills custom-built toolkits and van kits you get precisely the right tools required for your specific network build, all of a quality that you can rely on consistently.

- Bespoke Kits
- Van Kits
- Fibre Blowing Duct Preparation Toolkits
- Fusion Splicing Fibre Preparation Toolkits
- Smart Meter Installation Kits
- Data Installer Toolkits
- CATV/Coax Toolkits
Appropriate safety equipment is vital in ensuring compliance with health & safety legislation and to protect workers from the occupational hazards they face daily when building networks.

- Fall Arrest Equipment
- Lanyards For Tool Tethering
- Gas Detection Equipment
- Hi-Vis & Protective Clothing
- First Aid
- Gloves, Helmets, Ear Protection, Eye Protection
Whether the customer’s residence is a Single Dwelling Unit (SDU) or a large or small Multi Dwelling Unit (MDU), Mills offers a range of outlets, distribution boxes, customer connection points and connectorised wall boxes for both new developments and existing buildings from the leading manufacturers.

- Building Distribution Enclosures for MDUs & SDUs
- Customer Connection Points (CCP) for external building entry
- Fibre Facade Enclosures for mounting on poles or building facades
- Fibre Wall Outlets for inside the end user’s premises providing the connection point for a router or active equipment
Utilising the right test and measurement equipment will speed up network deployment, increasing the number of homes passed, increasing network longevity and reducing downtime. This avoids customer disruption and costly call-outs for remedial works.

- Visual Fault Locators
- Live Fibre Identifiers
- Optical Loss Test Kits
- Light Sources & Power Meters
- OTDRs
- Launch Leads
- Cable Tracing Equipment
- Microduct Tracing, Identifying and Integrity Verification Equipment
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