prysmian

WELCOME TO PRYSMIAN'S MOBILE HUB

Discover the latest solutions from Prysmian – a world leader in the production of cables and systems for telecommunications and energy applications – from cabinets and closures to the latest generation of panels for data centres.

Explore end-to-end solutions for fibre to the home (FTTH) and fibre to the antenna (FTTA) deployment, and discover the new fault-managed power system (FMPS), which allows operators to safely manage high-voltage lines of up to 450 V.

Data Centre

Prysmian's fibre optic infrastructure solutions have elevated cable management to the next level. These scalable, high density solutions can be deployed separately or as an end to end solution in a Data Centre or Telecommunications network. Application options and solution include:

- Interconnect/meet-me room (IR/MMR) and carrier ODF/FTP solution for splicing onto LC, LC/A or MTP
- Interconnect/meet-me room (IR/MMR) and carrier ODF/FTP solution for pre-terminated LC, LC/A or MTP
- Customer or equipment rack deployment with MTP-LC chassis and cassettes
- Data hall zone frame/cross-connect ODF/FTP solution for pre-term MTP/MPO-LC distribution or cross connects
- MTP/MPO pre-terminated trunk cabling from 12-144 F
- Patch leads and accessories

Fibre to the antenna (FTTA)

Prysmian's carrier-grade hybrid cables and connectivity solutions deliver the support mobile infrastructure needs to remain future-fit.

FTTA breakout boxes: General market and bespoke solutions to accommodate off-the-shelf connectors for network endpoint drops. Includes solutions for 4G-to-5G network transitions.

FTTA drop cables: Wide range of drop cable solutions, including fibre only, power only and hybrid cables, with a number of termination options (Dual LC, Quad LC and MPO).

Hybrid cables: Fibre and copper cables to address all your power or distance needs for 4G and 5G macro installations.

Remote power: Hybrid 400 V DC cables suitable for remote powering macro towers, including hybrid joints in both central office and macro sites.

Blowable cables: Ideal for traditional DC as well as innovative transmissions such as fault-managed power, blowable cables allow network operators to safely power radios from a distance. Applications go beyond mobile, covering CCTV, Wi-Fi networks and other sensors in metropolitan environments.

Radiating coaxes: Traditional radiating coaxial cables lose signal strength towards the end of the coax, limiting usability. Prysmian's design delivers a uniform signal, greatly extending cable length and performance.

FAULT MANAGED POWER

The fault-managed power system (FMPS) is a novel power delivery system that allows system integrators to safely provide significant power, over long distances, to remote equipment. Class 4 power systems provide a safer, more reliable, and easier-to-install powerdelivery system that provides substantial time and cost savings.

MDU SOLUTIONS (VERTICASA)

Prysmian offers a wide range of MDU basement boxes. One of the main functions is to change the structure of the cable(s) buried inside the building from an HDPE sheathed cable to an LSOH sheathed cable. This ensures a safe cabling system inside the building. These boxes are also the last point of the network where splitter modules are installed for a PON network.

EXTERNAL FTTH PRODUCTS

Closures: The XMJ closure family is designed for allowing access to external optical networks and can be used for tracking, spurring and looping applications. The XMJ closure solutions can accommodate a wide variety of cables, including loose and central loose tube, Flextube and blown fibre cables. A modular tray system is designed for single circuit management (SCM) and single element management (SEM). The splice trays can accommodate various types of protectors and splitters.

XMJ closures can also be equipped with adaptors and pigtails to accommodate pre-terminated cables. They have several circular ports and one oval port for mechanical entry, and mechanical glands are used to seal cables into ports. The XMJ closures can be mounted using one of the company's available mounting brackets and are suitable for direct burial.

EXTERNAL CUSTOMER ENTRY POINTS

Prysmian offers wall boxes for all applications in an FTTH network, to be installed either indoors or outdoors. Depending on the FMS required, products are designed for splicing only or splicing/patching solutions. Most of the boxes can be equipped with splitter modules. Customer termination boxes (CTBs) can be supplied with a pre-terminated cable, pre-fitted at the factory.

FIBRE TO THE ROOM (FTTR) – RACEWAYS

Fibre-to-the-room (FTTR) delivers gigabit optical capacity directly to each room in a building, providing very high-speed, reliable internet.

FTTR addresses challenges related to restricted speeds within buildings, providing uninterrupted, reliable high-speed internet indoors. It replaces traditional copper cables and Wi-Fi with fibre connected directly to the building's access point. This enables seamless connectivity and smart management. The technology supports rates up to 10 Gb/s, ideal for large spaces with multiple users requiring low latency and high speeds.

COPPER STRUCTURED CABLING AND CONNECTIVITY

The Prysmian UC structured cabling portfolio provides easier network installations, high-reliability operations and a robust supply chain all backed by one of the world leaders in energy transition and digitalisation cable production.

Copper Cable: A complete range of category cables up to the latest standard in the industry to meet all your connectivity needs from Wi-Fi to NBASE-T and multi-gig ethernet.

Connectivity: A complete range of uniquely designed Prysmian UC connectivity solutions for copper and fibre cabling.