Prysmian Group

xsNet

Value Innovation for your Broadband Network

RetractaNet^xs

Taking fibre direct to the doorstep

PRYSMIAN

Draka

Prysmian Group

Linking the future

As the worldwide leader in the cable industry, Prysmian Group believes in the effective, efficient and sustainable supply of energy and information as a primary driver in the development of communities.

With this in mind, we provide major global organisations in many industries with best-in-class cable solutions, based on state-of-the-art technology. Through two renowned commercial brands – Prysmian and Draka – based in almost 100 countries, we're constantly close to our customers, enabling them to further develop the world's energy and telecoms infrastructures, and achieve sustainable, profitable growth.

In our energy business, we design, produce, distribute and install cables and systems for the transmission and distribution of power at low, medium, high and extra-high voltage.

In telecoms, the Group is a leading manufacturer of all types of copper and fibre cables, systems and accessories – covering voice, video and data transmission.

Drawing on over 130 years' experience and continuously investing in R&D, we apply excellence, understanding and integrity to everything we do, meeting and exceeding the precise needs of our customers across all continents, at the same time shaping the evolution of our industry.

Introducing *xsNet*

From aerial and underground installations, through to both simple and more complex residential networks, Prysmian's *xsNet* family of products and solutions represents a new standard in Fibre To The Home (FTTH). Answering the critical need for ease of deployment, flexibility, reliability and cost-efficiency – and being backed by a full suite of valuable support services – *xsNet* is the ideal range of cabling for today's changing world.

xsNet

Value Innovation for your Broadband Network

xsNet Indoor Solutions

xsNet POP Solutions

xsNet OSP Solutions

xsNet Engineering Solutions

QuickDraw^{xs} Sirocco^{xs} OAsys JetNet^{xs}

RetractaNet^{xs} VertiCasa^{xs} VerTV^{xs} EaseNet^{xs}

BendBright^{xs} Supported throughout by BendBright^{xs} fibre technology

RetractaNet XS

One solution for every outside plant application

If you are looking for a system that can be easily deployed in an existing duct or sub-duct infrastructure, in settings such as residential areas or greenfield sites, then Prysmian's direct buried outdoor solution, *RetractaNet XS* meets the challenge.

As a complete direct buried underground drop solution, *RetractaNet XS* is fast, flexible, reliable and user-friendly; combining fully integrated connectivity products and innovative tools.

The unique RetractaCable, filled with smaller fibre modules, runs from the Optical Distribution Point, through trenches that can be cut and retracted from one point to another. It's then fed or blown directly to the customer premises.

RetractaNet XS offers significant savings on labour and materials. In fact, it can reduce the overall cost of OSP network deployment by 7–9%, compared to traditional P2P network solutions.

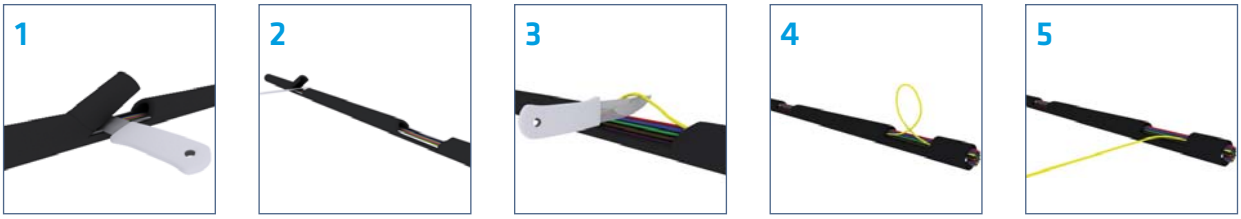
Benefits

- Simple concept reduces the need for skilled labour
- Ideal for existing neighbourhoods – 'overbuild'
- Extremely efficient in greenfield sites

RetractaNet^{XS}

RetractaNet^{XS} offers a complete direct buried underground drop solution, combining integrated connectivity products and innovative tools. The concept, based on proven and widely employed *SmartDraw*^{XS} technology, has a big impact on the part of FTTx network deployments from the Optical Distribution Point – usually the basement – to the front door. Everything required is available as part of this fully-integrated concept.

Five simple steps



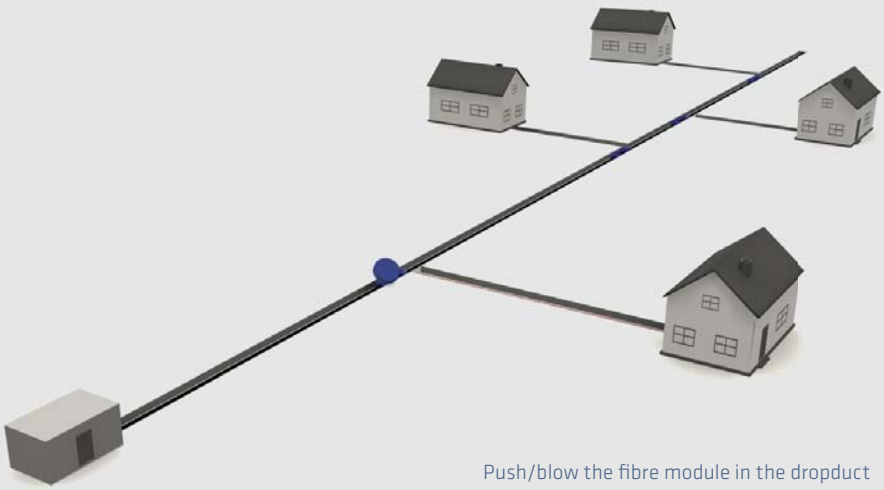
1: LAY the *RetractaNet*^{XS} cable from the Outside Distribution Point along a main trench.

2: OPEN the RetractaCable with a knife or the custom cutting tool. The *RetractaNet*^{XS} tapping box should be installed at all openings.

3: CUT the designated module or modules at the opening furthest from the access point.

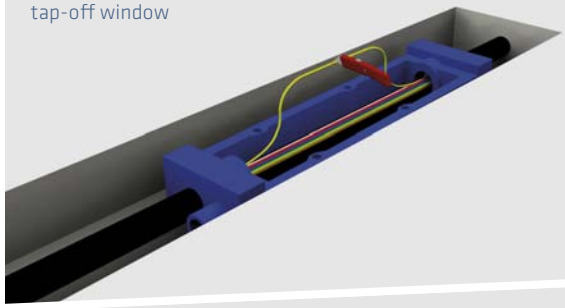
4: RETRACT (pull back) the cut module(s) to the chosen location, using the DomoJet tool to pull and store the retracted length. The opening is protected by the *RetractaNet*^{XS} tapping box.

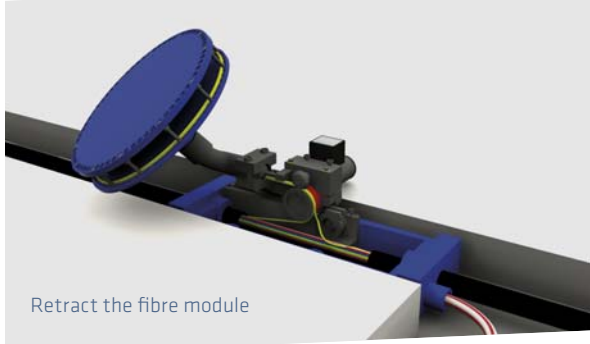
5: PUSH and/or **BLOW** the extracted module or modules into a pre-laid microduct running from the main cable to the customer premises.



Push/blow the fibre module in the dropduct

Cut the fibre module in the next tap-off window





Retract the fibre module

Complete range of connectivity components

Underground Closures

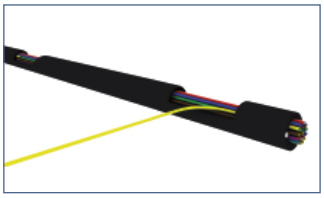
- Starting point for RetractaCable, which is laid in trenches near the customer premises
- Can be direct buried or placed within a handhole: accessible for future maintenance
- Accommodate the appropriate number of splices for a particular network
- Other direct buried closure products are available on request

Single Drop Microduct

- Sturdy, protective, convenient solution for pushing or blowing retracted fibre from trench to customer premises
- Can be branched off easily and direct buried
- Available in several size and colour striping options

Underground Tapping Boxes

- Branches off retracted fibre cable and provides entry point for future access
- Direct buried closure protects the opening in the RetractaCable and manages any over-length of the smaller retracted module



SmartDraw^{XS} Technology

- Specially manufactured retractable cables for use in indoor and outside plant applications
- Filled with loose fibre modules designed to have low friction properties
- Allows much faster deployment when working with *RetractaNet*^{XS} solutions

DomoJet

- Deploy the *RetractaNet*^{XS} solution faster, saving on skilled labour
- Pulling and pushing of the fibre modules with DomoJet reduces the risk of breaking fibre by exerting considerable forces on the module
- Fibre modules can be pushed or blown over considerable distanced without becoming stuck
- Dramatically reduce connection-to-end-user time
- Bring the fibre module to customer outlet box, gateway or ONT

One-stop-shopping with Prysmian's comprehensive integrated *xsNet* portfolio

Deploying a future-proof FTTx network is all about achieving the highest network reliability and customer satisfaction, whilst making the most of available resources and keeping costs low. Prysmian's fully integrated range of connectivity products provides all you need to build or adapt each segment of a low-maintenance FTTx network quickly and cost-effectively.

Our integrated *xsNet* range offers high grade optical fibre cables, carefully matched and easy-to-handle connectivity components and a choice of ducting solutions for indoor networks, outside plant networks and POP. And there's more: flexible design software and engineering advice based on three decades of broadband network design. With minimal effort, any network design, regardless of complexity or size, can be put together from scratch, updated or reconfigured.

Prysmian Group's fibre optic and connectivity products

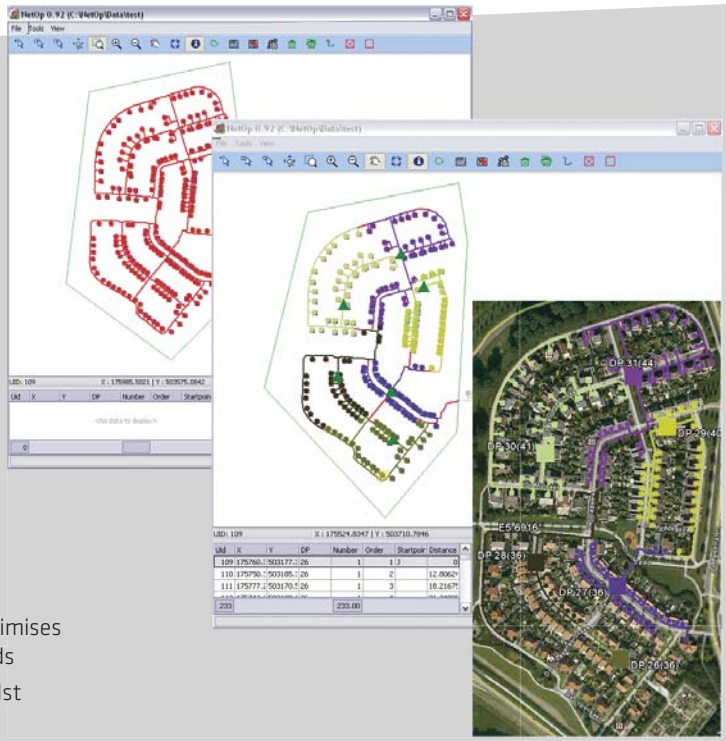
- Combined portfolio brings down the cost of FTTx
- Reach every community with an extensive portfolio of cable, connectivity and deployment technologies

xsNET

Value Innovation for your Broadband Network

Integrated *xsNet* concept

- Each standardised *xsNet* solution integrates seamlessly with the rest of the portfolio
- Each *xsNet* solution contains everything required to build a specific part of the network
- Operators can make service choices now, but also accommodate future upgrades and expansion
- Reduces the need for skilled labour
- Excellent logistical support
- Proprietary design software maps, configures, optimises and calculates costs of network concepts in seconds
- Changes and variations are easy to implement whilst designing and even after installation
- Expert engineering and consultancy services, plus professional support for building a winning business case



Linking communications to communities

Prysmian Group, members of:

Prysmian Group
Viale Sarca 222
20126 Milan
Italy

Email: telecom@prysmiangroup.com
Tel: +39 02 6449 3500

www.prysmiangroup.com

Prysmian Group

PRYSMIAN
Draka