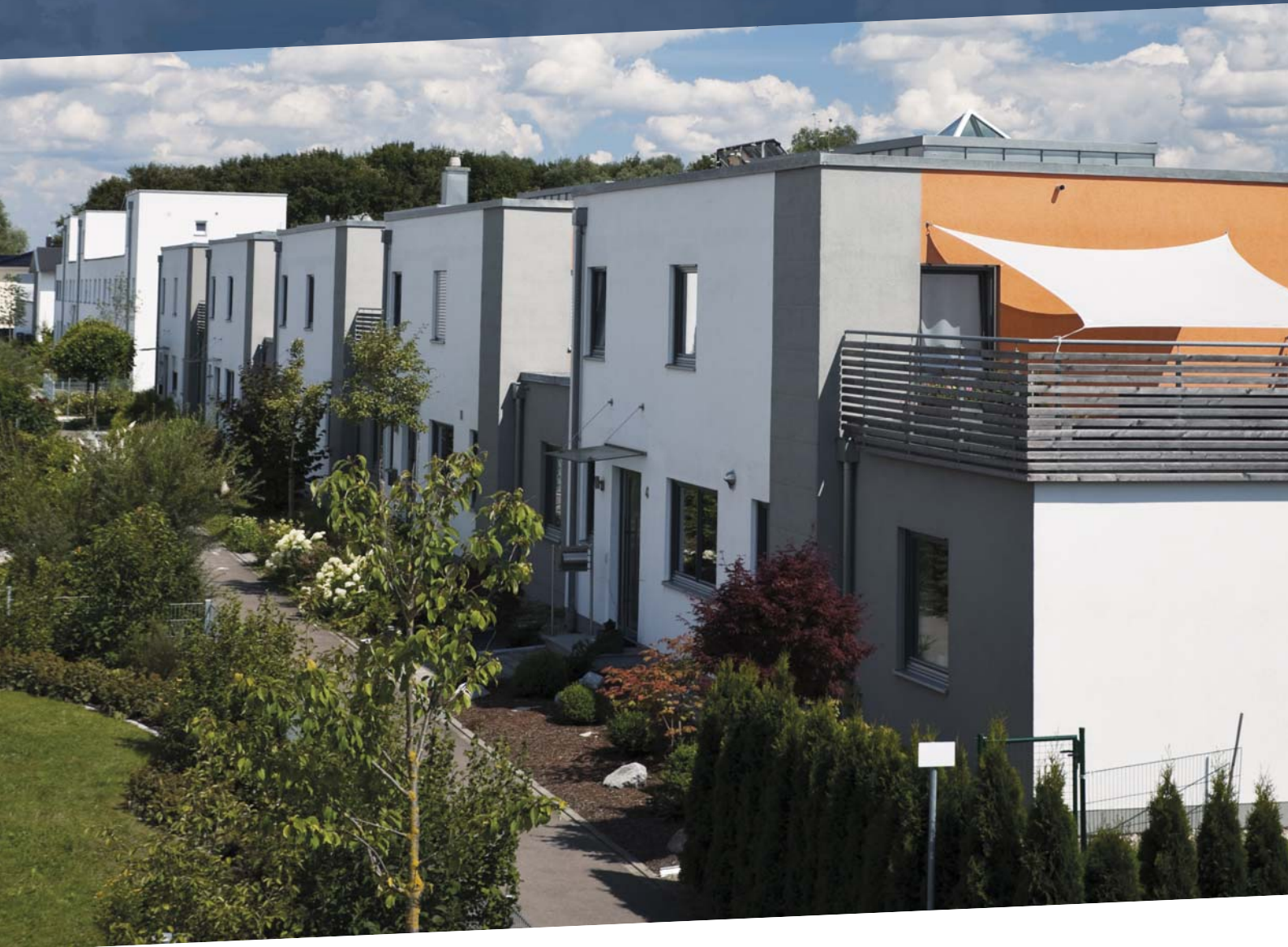


QUICKDRAW^{XS}

The easy way to Fibre To The Home



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.



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



QUICKDRAW^{XS}

The fastest, easiest solution for connecting customers to the network

Creating a network that can manage future demands and take rollout problems in its stride can be a challenge. Thankfully, *QUICKDRAW^{XS}* from Prysmian has been specially designed for this challenge, allowing semi-skilled installers to create the final customer drop.

QUICKDRAW^{XS} is a fast and effective pre-connectorised system for FTTH connections in mid- and low-density areas. *QUICKDRAW^{XS}* is a complete system for the last mile, FTTH and campus networks encompassing the pre-connectorised fibre cable links complete with connectors, fibre and cable management products, installation equipment and training.

With ruggedised cable leads provided with connectors at each section end, the final connection to the customer is achieved by plugging directly into fibre management products within the external network and at the customer premises.

The “plug and play” approach means that the final connection to the customer is achieved without the need for highly skilled operators or expensive equipment.



Introduction

Pre-connectorised Solution

QUICKDRAW^{XS} was developed to provide a simple solution to rapid FTTH rollout by enabling semi-skilled installers to create the final customer drop.

The system comprises Connectorised Lead-In Joints (CLJs), Lead-In Assemblies (LIAs) and customer demarcation boxes to facilitate the 'last mile' connection from a high capacity ring.

There are two main variations to this network solution, presenting either a single fibre or two fibres at each building depending upon network operator choice and customer demand.

Features & Benefits

- *QUICKDRAW^{XS}* products have been designed for rapid installation as well as easy access and maintenance. Installation time and cost are reduced.
- Skilled staff / fusion splicer only required for distribution phase (build CLJs into ring network). Semi-skilled staff provide customer connections.
- Deferred installation cost through incremental customer connection.
- A number of CLJs can be built into a ring network to provide local feed to residential or business premises. From each CLJ, a drop cable can be laid to fan out from the ring route.
- CLJs can be supplied with pre-installed connectorised passive splitters (1:8 or 1:16) allowing a single input fibre to provide 8 customer drops.
- Can be fitted with SC adapters and pigtails for single fibre applications or LC adapters and pigtails for dual fibre applications.
- Pre-connectorised LIAs are sealed to prevent damage and ingress of dust and water prior to termination. One end has a pulling shroud to simplify installation through the conduit.
- Modular approach allowing easy upgrades.

Application Guide

When building an FTTH network, one of the most significant issues is the take-up level i.e. which potential customers will 'take-up' the offered services and which will not. The attraction of systems such as the Prysmian's *QUICKDRAW^{XS}* pre-connectorised system and *SIROCCO^{XS}* Blown Fibre System is that these solutions offer both a simplified installation process and significant flexibility when adding new customers:

Access Networks and FTTH

On a metropolitan access ring network or in suburban or remote areas the *QUICKDRAW^{XS}* products can be used to provide a drop location for up to 8 local residences (from a single fibre using splitters) and/or act as a star point allowing a 12-fibre feeder cable to lead to a cluster of up to 96 homes. Fibre splicing will be in place on day 1 and final customer drops plugged into position as each customer takes up the service.

Private Networks

Demand changes mean that infrastructures need to be adaptable and robust enough to meet today's requirement as well as being future proofed. In a campus environment, additional capacity and extensions can be easily dropped from ring-positioned joints.



Where is fibre going?

The increasing number of services available via optical fibre (Broadband Internet, VoIP, Video on Demand, High Definition IPTV) and the need to provide higher bandwidth capability – both upstream and downstream – is leading network operators to replace copper wire networks with optical fibre deeper into the last mile and closer to the customer.

Consequently it is important to keep down installation and operational costs and minimise the impact of the work on the final customer.

Product List

Connectorised Lead-In Joint (CLJ)

The *QUICKDRAW^{XS}* Connectorised Lead-In Joint is a purpose-built customer access termination that allows the rapid and incremental activation of customer services utilising simple practices.

The unit allows the plug-in connection of up to 8 individual customer lead-in cables. The CLJ is designed to be cascaded on a single distribution cable for optimised network design and can be used in all types of PON or PTP network configurations. Skilled labour is required in the distribution phase (splicing the ring) but only semi-skilled to achieve customer drops.

The CLJ can be supplied with pre-installed connectorised passive splitters, and/or a secondary splice tray to allow the upgrading of splicing capacity (to add a spur cable of up to 24 fibres). The unit is sealed to IP68.



Lead-In Assemblies (LIAs)

The *QUICKDRAW^{XS}* LIA is a pre-connectorised cable that provides the means of rapidly connecting a customer to the network.

The assembly comprises a pulling shroud at one end to protect the fibre and connector as it is fed through the duct. When in place, the shroud is removed and the connector plugged into an adapter in the demarcation box. The Lead-in Seal is protected with a transport sleeve. Once removed, the twisted bottom will be screwed into the base of the CLJ and the connectors mated inside.

Available in lengths from 25m to 300m with one SC/APC connector at each end or with two LC/APC connectors at either end. They are supplied on cardboard reels in cardboard boxes. The LIAs are sealed to IP67.



Demarcation Boxes

The *QUICKDRAW^{XS}* demarcation box enables up to two LIAs to be terminated on the outside of a building (providing a connection on the external wall for test and maintenance access).

Patchcords can then be passed, fully bend managed, through the wall into the building for connection to active FTTH equipment. The unit is sealed to prevent the ingress of moisture to IP55. Tamperproof screws prevent unauthorised access.



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

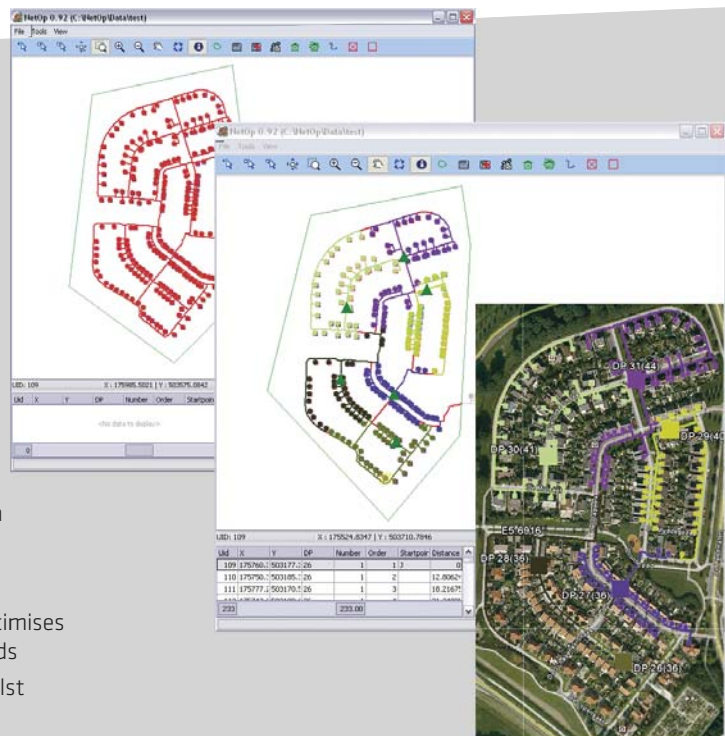
- Combined portfolio brings down the cost of FTTx
- Reach every community with an extensive portfolio of cable, connectivity and deployment technologies



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

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