

DATA CENTER SOLUTIONS

Everything you need in the new digital era, from the world leader in Energy and Digital Solutions

prysmian

The planet's pathways

PRYSMIAN CONNECTS AND IS CONNECTED

Prysmian is the world leader in the development and manufacture of power and telecommunication cables. Our portfolio provides the wrap-around cable infrastructure for data centre facilities.



34,000 people

With experts ready for every project.



50+ countries

We're uniquely placed to serve our customers, wherever they are.



109 manufacturing plants

Ensuring we maintain some of the industry's shortest lead times.



30 R&D&i centres

Innovation and excellence - across every aspect of our business.

ALWAYS IN CONTROL OF THE PROCESS - DIGITAL SOLUTIONS OPERATIONS



USA:
- Connectivity Manufacture
- Singlemode Fibres
- 16f Ribbon
- FlexRibbon
- MMC/16f

UK:
- Connectivity Manufacture
- Duplex/MPO Terminations

France:
- Singlemode Fibres

Netherlands:
- Multimode Fibres

Romania:
- Interconnect Cable
- Ribbon Cable

Slovakia:
- Internal & MPO Cable
- Category Cable
- Pre-termination

Spain:
- FO Cable manufacturing

Portugal:
- Category Cables

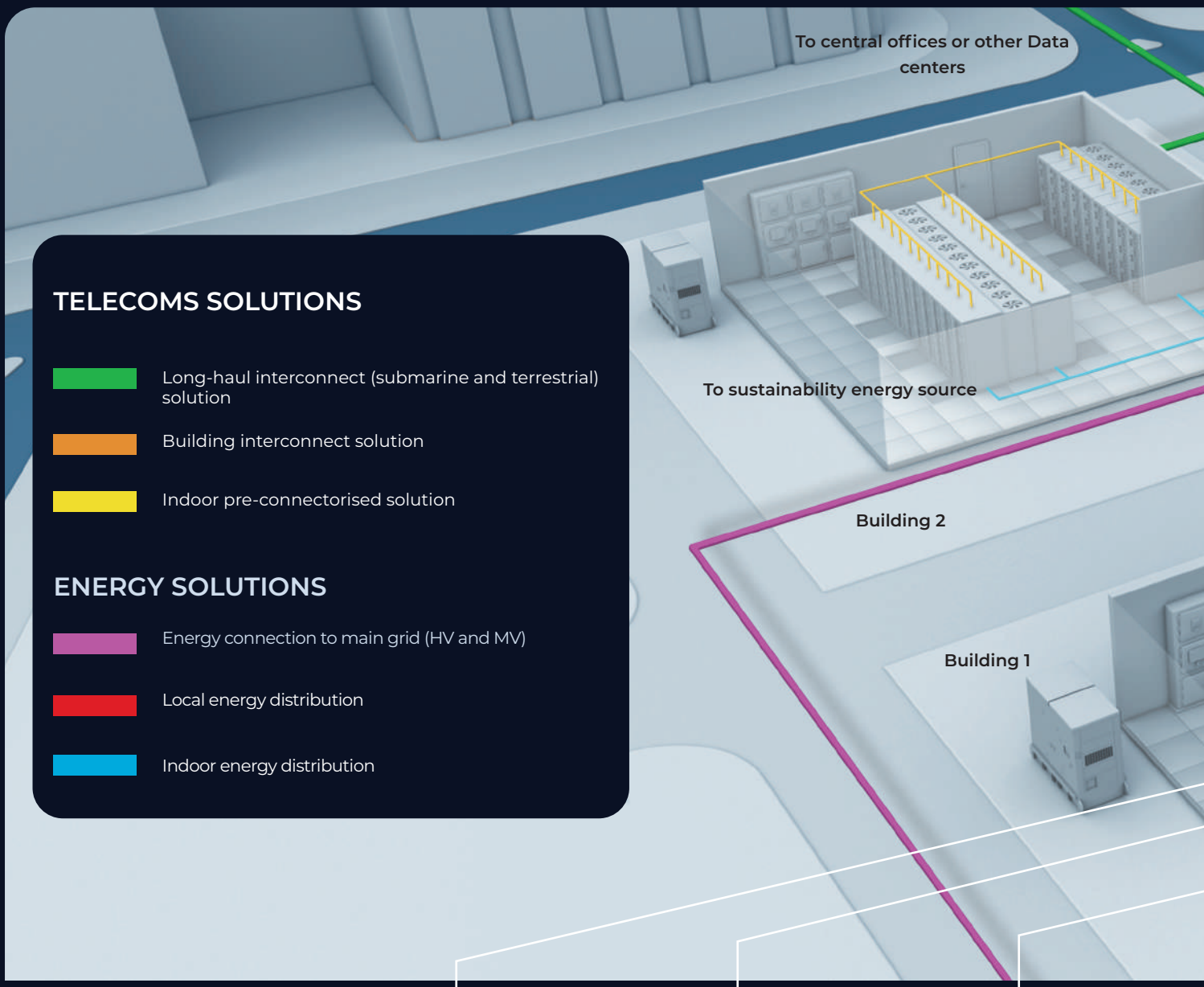
Germany:
- Category Cables

China:
- Fibre Manufacture
- Duplex/MPO Terminations

Vietnam:
- Duplex/MPO Terminations
- Cassette Manufacture

Phillippines:
- Duplex/MPO Terminations
- Cassette Manufacture

COMPLETE DATA CENTER OVERVIEW



TELECOMS SOLUTIONS

- Long-haul interconnect (submarine and terrestrial) solution
- Building interconnect solution
- Indoor pre-connectorised solution

ENERGY SOLUTIONS

- Energy connection to main grid (HV and MV)
- Local energy distribution
- Indoor energy distribution

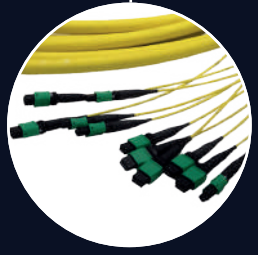
UHD connectivity



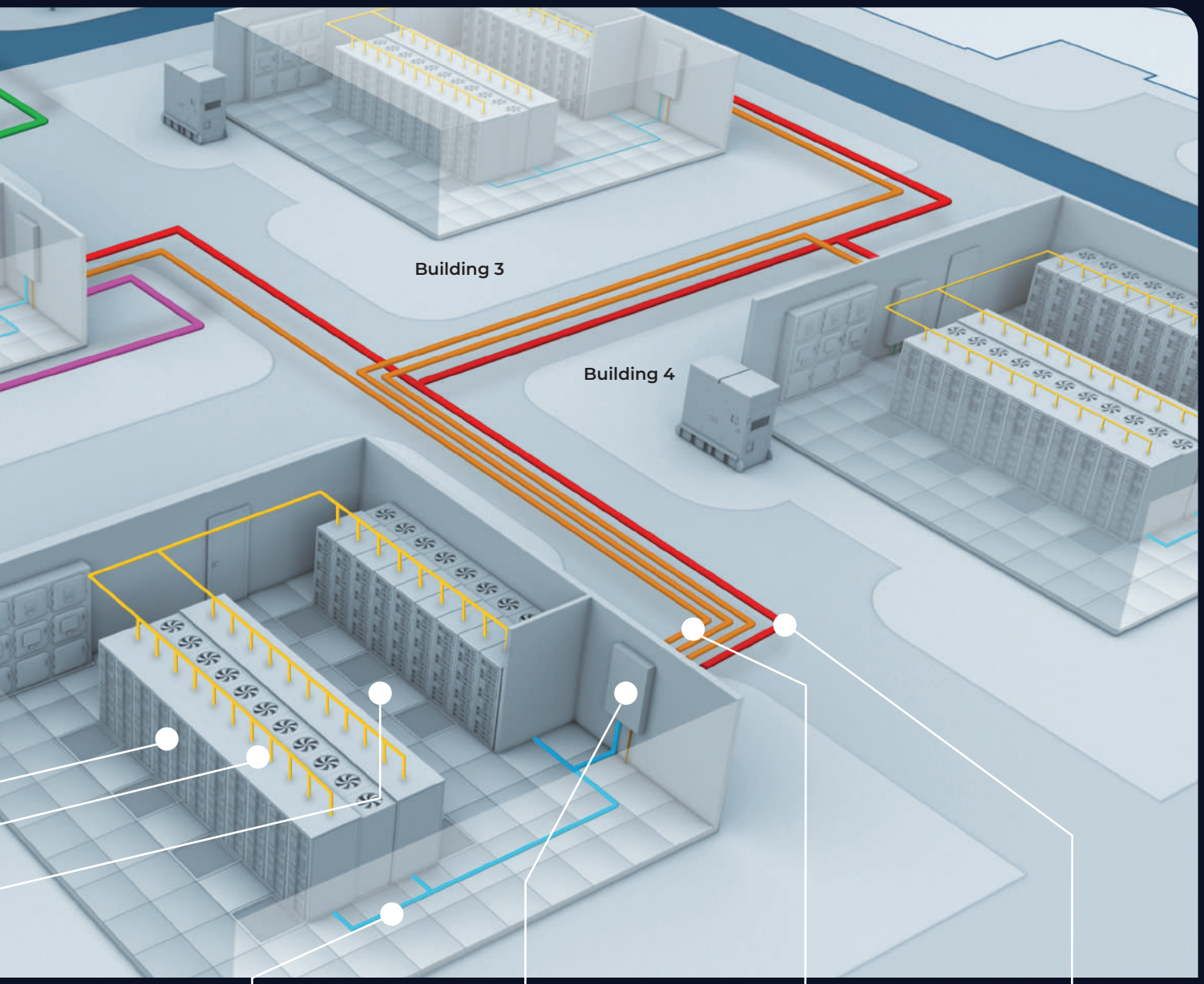
Prysmian's UHD distribution solution



Pre-Connectorised UC Connect



Trunking solutions



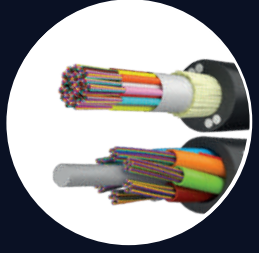


Prysmian Energy LV



Cable monitoring technology

Interconnection Cables



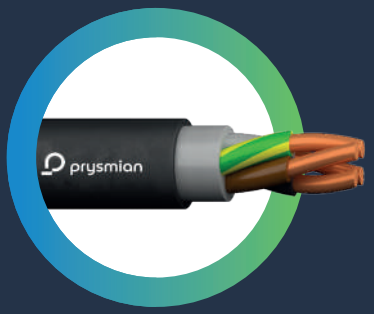
FlexTube®
FlexRibbon™
Sirocco®
Loose Tube 200µm



Prysmian Energy MV
+ Prysmian Electronics

LOW VOLTAGE CABLES

LS0H CABLES



N2XH

These halogen-free (LS0H) cables are specifically designed with enhanced fire-resistant properties, tailored for critical environments like data centers and similar structures. These cables are halogen-free and emit minimal smoke, ensuring safety during fire incidents.

UV Resistant

LS0H

$B2_{ca}$ CPR



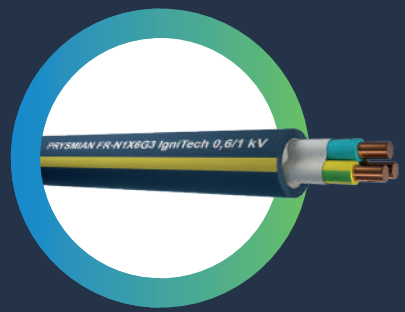
FR-N1X1G1

Thanks to its excellent fire performance, Euroclass C_{ca} - s1, d1, a1, this 0.6/1kV low voltage cable is particularly well suited for critical environments requiring a high level of fire safety.

prysmian E Path

LS0H

C_{ca} CPR



FR-N1X6G3 IgniTech™

Halogen-free cable compliant with NF C15-100, ideal for critical infrastructure. Enhanced fire safety, service continuity, and limited fire propagation (minimum classification: C_{ca}-s1, d2, a1).

prysmian E Path

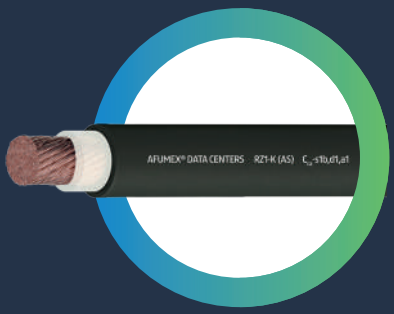
LS0H

C_{ca} CPR

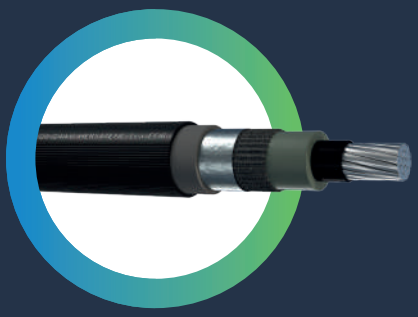
FLEXIBLE CABLES

RZ1-K B2$_{ca}$ - s1a, d1, a1

This cable is a low smoke halogen-free (LS0H) and easy stripable cable, ideal for public places like hospitals, schools, airports and similar. It helps to protect people and electronics from harmful or corrosive gasses in case of fire.



MEDIUM VOLTAGE CABLES



MTS 226

The EDR cable is designed and manufactured in accordance with the requirements specified in NF C33-226.

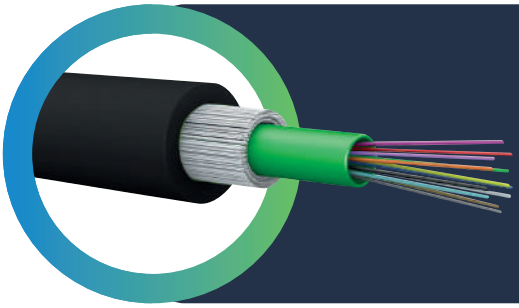
It is fitted with a synthetic protective outer sheath designed to withstand mechanical stresses, allowing direct burial in the ground regardless of soil type.

This is a 12/20kV MV cable featuring:

- XLPE insulation
- Extruded semiconductive screen + Al metallic screen
- PE C2 outer sheath
- Euroclass E$_{ca}$ rating
- Suitable for installation directly in the ground, in cable troughs, and in ducts (AD8, AG4, AN3).

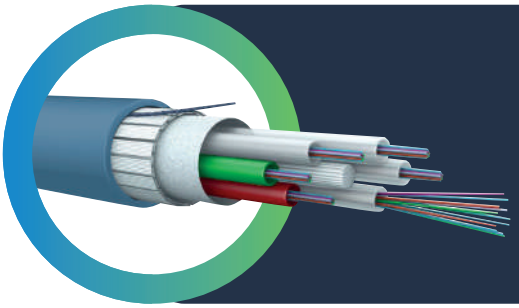
EDR cables can be directly buried in all types of hard soils composed of earth and stones without sharp edges, screened to a maximum particle size of 120mm.

UC FIBRE



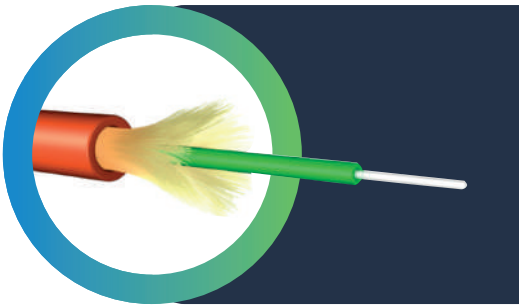
Product sheet

Uni Tube



Product sheet

Multi Loose Tube



Product sheet

Tight Buffered

COMPLETE PRODUCT RANGE

- Indoor/Outdoor
- Blown fibre
- Distribution/Breakout
- Steel wire armour and CST
- Cables for harsh environments
- Trunk and MPO patch cord assembly
- Fibre optic cables for data centres

CPR COMPLIANCE

- Unique supplier of: non-metallic, gel-filled cables, C_{ca} + $B2_{ca}$ approved, up to 288 fibres

BENDBRIGHT XS™ FIBRE

- World-class bend-insensitive fibre
- Including OM5 and OS2

ADVANCED HIGH DENSITY CABLE SYSTEMS FOR DATA CENTERS INTERCONNECTIONS



FlexTube®

- Up to 1 728 fibres.
- Easy to access the fibers (end access) / easy to install tubes.



FlexRibbon™

- Up to 6 912 fibres.
- Mass splicing.
- Highest fibre count.



Sirocco®

- Up to 864 fibres in 11.5 mm.
- Smallest cable size / sustainability.
- After optimisation of the optical fibre and materials and rigorous testing, Prysmian Sirocco cables now have an expected lifetime of 50+ years without compromise on performance during that time. This enables operators to calculate the lifecycle analysis of their network over a much longer period of time.



Loose tube 200µm

- Smaller diameter and weight than standard loose tube cables (20% reduction in diameter).

INTERNAL DATA CENTER PORTFOLIO



Optical Fibre
Ducting Solutions



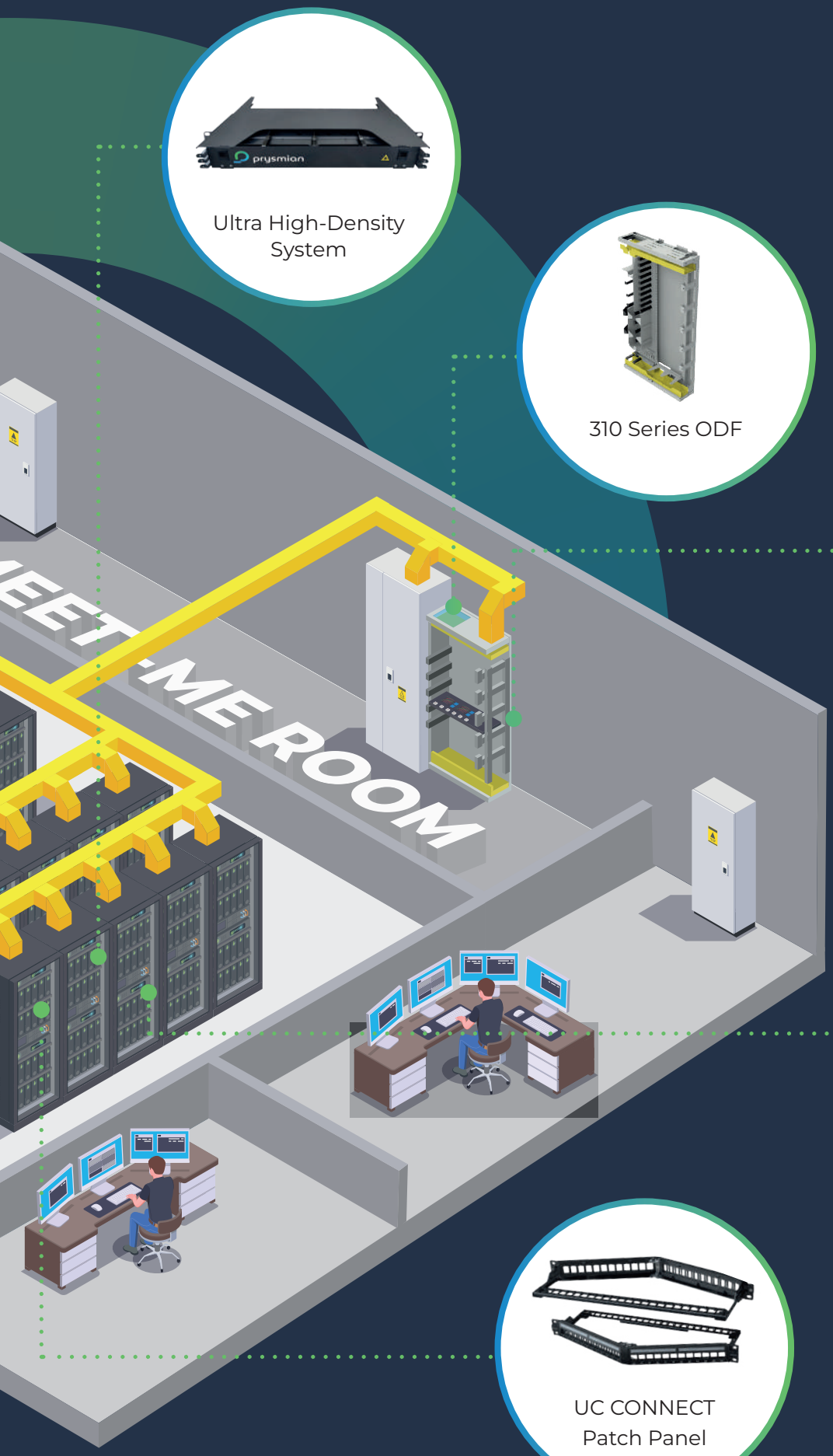
Cabinet Solutions



Patch Cords

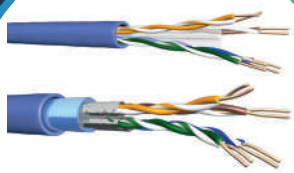


UC CONNECT
Pigtails



Ultra High-Density System

310 Series ODF



UC DATA Copper Cable



Trunk / Harness Cable

UC CONNECT Patch Panel

MEET-ME ROOM SOLUTIONS



310 Series ODF

- 5 184 LC port capacity
- 19 x 2U sub-rack capacity
- 36 x 1U sub-rack capacity
- Integrated internal yellow ducting
- Offset cable slack management (max 4.1m)

Product sheet







Sub-Rack Systems

Splice & Patch
- Up to 144f
- 4 x 36f swing out trays per 1U
- Side or rear cable entry

Splice only or Patch Only
- 96f using 1.6mm patch cords
- 96f LC splice only

Mass Fusion Splice
- up to:
  - 864f (FlexRibbon™)
  - 384f (stranded fibre in 1U)
- 2-Sided cable entry

Product sheet





Fibre Management Accessories

Fibre Optic Storage Tray
- Slide out for ease of access
- LH and RH access
- Pre-fitted cable saddles

Cable Slack Management
- For both 600mm and 300mm ODF

Product sheet

OPTICAL FIBRE DUCTING SOLUTIONS

Straight Duct



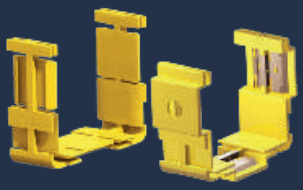
Breakouts



Reducers



Joiners



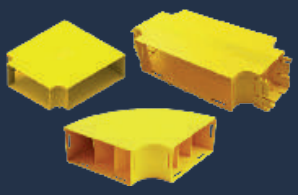
Express Outlets



Fibre Storage Loops



Tees, Elbows & Crosses



Drop-Off Solutions



Tubing



Product sheet



WHITESPACE SOLUTIONS

Trunk / Harness Cable

- Utilising all of our UC Future Cable portfolio
- Multiple fiber counts, designs up to 1 728 core, with multiple MTP connector breakouts
- Base 8, 12, 16, 24 or 36 available
- Fully tested for low insertion loss and back reflection on every connector and attenuation loss
- Fully bespoke with short lead times
- 16f VSFF connector options available



Product sheet

Patch Cords

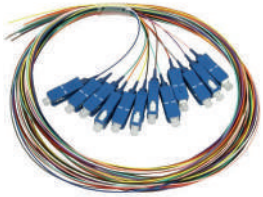
- Full fibre optic pigtail and patch cord portfolio available including LC, SC, ST in OM1-5 and G657.A1 & G657.A2
- European manufactured and CPR compliant patch cord range
- Simplex 1.6mm > 3.0mm up to $B2_{ca}$
- Duplex in zipcord or flat-twin up to $B2_{ca}$
- Duplex Uniboot in 2.0mm $B2_{ca}$
- All manufactured using Prysmian produced fibre
- Full factory testing



Product sheet

UC Connect Pigtails

- Utilising Prysmian 900µm easy stripping semi-tight buffered fibre
- Can be supplied with many different connector types such as FC, SC, ST, E2000, LC, DIN and others on request
- Available in OS2 and OM3-OM5
- UPC and APC available
- 100% optically tested



Product sheet

WHITESPACE SOLUTIONS



Patch Panel

- SystemLC, ST, SC
- Single & Multimode
- Colour-coded adapters
- 6-way up to 9 6-way
- Supplied with all required accessories – Splice Cassettes, Splice protectors, Glands, Warning Label, Earth Bonding Kit, Splice tray fibre identification label, Cage Nuts
- Built to order

Product sheet



Multimedia System

- Available as LC-MPO, LC Splice or RJ4
- Up to 120 LC ports in 1U
- Available in OM3, OM4 & OM5 as well as G657.A1 & G657.A2
- Up to 20 RJ45 Ports using copper cassettes
- Compact size for installation inside shallow depth racks
- One click latch technology for easy in-stallation
- Front module access

Product sheet

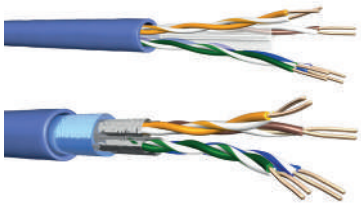


Ultra High-Density System

- Ultra high-density fiber panels (144f LC)
- Tool-less technology Front and rear cas-sette loading
- Up to 12f per cassetteFully customisable sub-trays can accept base 8, 12 or 24
- Factory tested pre-terminated cassettes
- 1U, 2U and 4U Chassis

Product sheet

COPPER SOLUTIONS



UC DATA Copper Cable

- Cat. 6 to Cat. 8.2
- U/UTP, U/FTP, F/FTP, S/FTP
- Available in $B2_{ca}$-s1a, d1, a1 / C_{ca}-s1a, d1, a1 / D_{ca}-s2, d2, a1 / E_{ca} / F_{ca} euroclass

Product sheet



UC CONNECT Patch Panel

- Cat. 6 / Cat. 6A
- 19 inch rack mount
- Unshielded / Shielded
- Flat or angular, 24 and 28 ports



Keystone Jack

- RJ45 Modular jack IDC Contact Cat. 6 and Cat. 6A
- Shielded and Unshielded version
- Tool Less version
- Field termination plug also available



UC CONNECT Pre-Terminate Copper Trunk Cable

- RJ45-RJ45 Pre-Terminate Trunk Cable
- Cat. 6 / Cat. 6A U/UTP & F/FTP

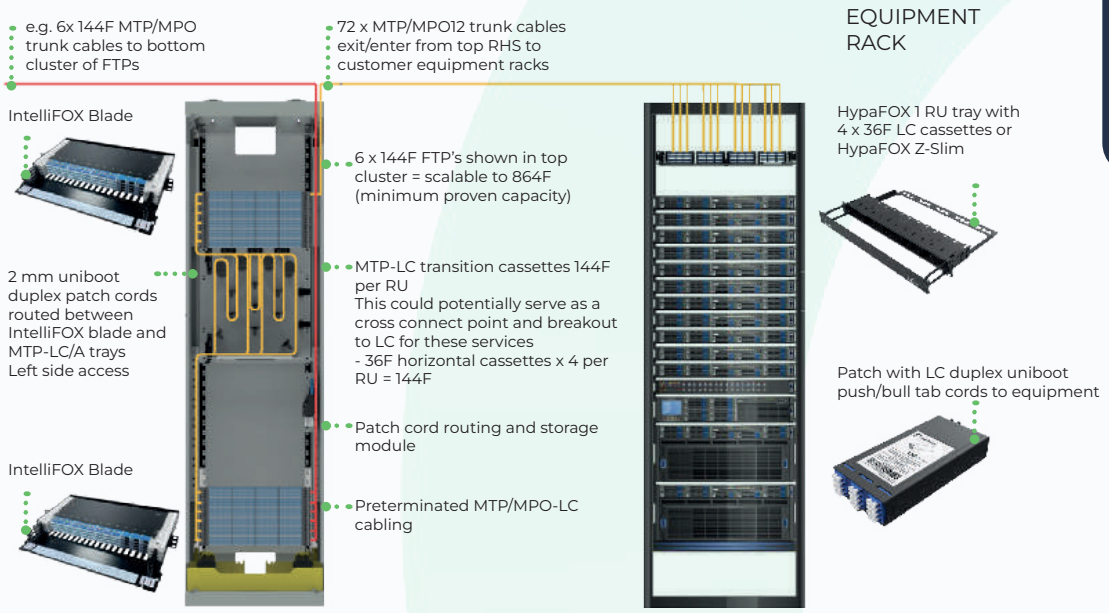


UC CONNECT Dual Boot & Slim flex Copper Patch Cord

- Cat. 6 and Cat. 6A stranded patch cord, LSZH
- Shielded 26AWG and Unshielded 24AWG
- 50µ gold plating contact

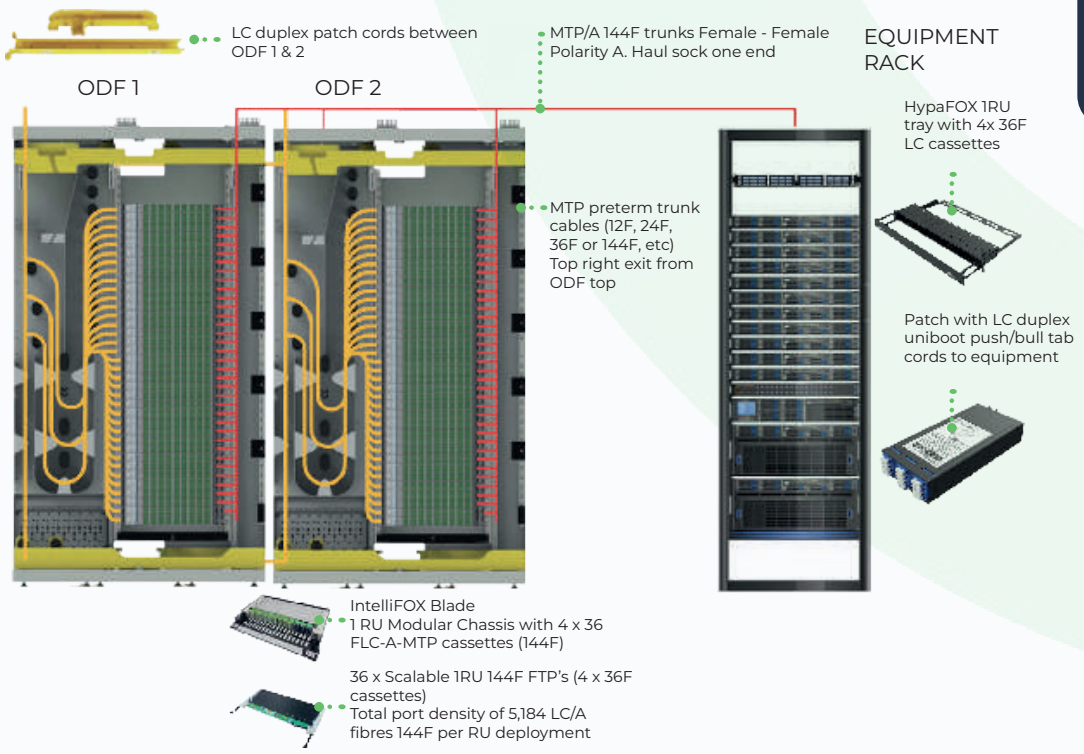
CROSS CONNECT

Medium Density (up to 432f LC)



Product sheet

All the way up to Ultra High Density (5,184LC)



Product sheet

NOTES:



Prysmian câbles et systèmes France
Head office
23 avenue Aristide Briand - BP 801 - PARON - 89108 SENS Cedex / France
+33 (0)4 72 46 73 99 - infocables.fr@prysmian.com

www.prysmian.com

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