



# 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.



**33,000** people

With experts ready for every project.



50+ countries

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



108 manufacturing plants

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



**26** R&D&i centres

Innovation and excellence - across every aspect of our business.



### **ALWAYS IN CONTROL OF THE PROCESS - DIGITAL SOLUTIONS OPERATIONS**





- Connectivity Manufacture
- Singlemode Fibres
- 16f Ribbon
- FlexRibbon™
- MMC/16f



- Connectivity Manufacture Duplex/MPO Terminations



#### Slovakia:

Romania:

- Ribbon Cable

- Internal & MPO Cable

- Interconnect Cable

- Category Cable
- Pre-termination



#### Germany:

- Category Cables



- Singlemode Fibres



#### Spain:

- FO Cable manufacturing



#### China:

- Fibre Manufacture
- Duplex/MPO Terminations



#### Netherlands:

- Multimode Fibres



#### Portugal:

- Category Cables



#### Vietnam:

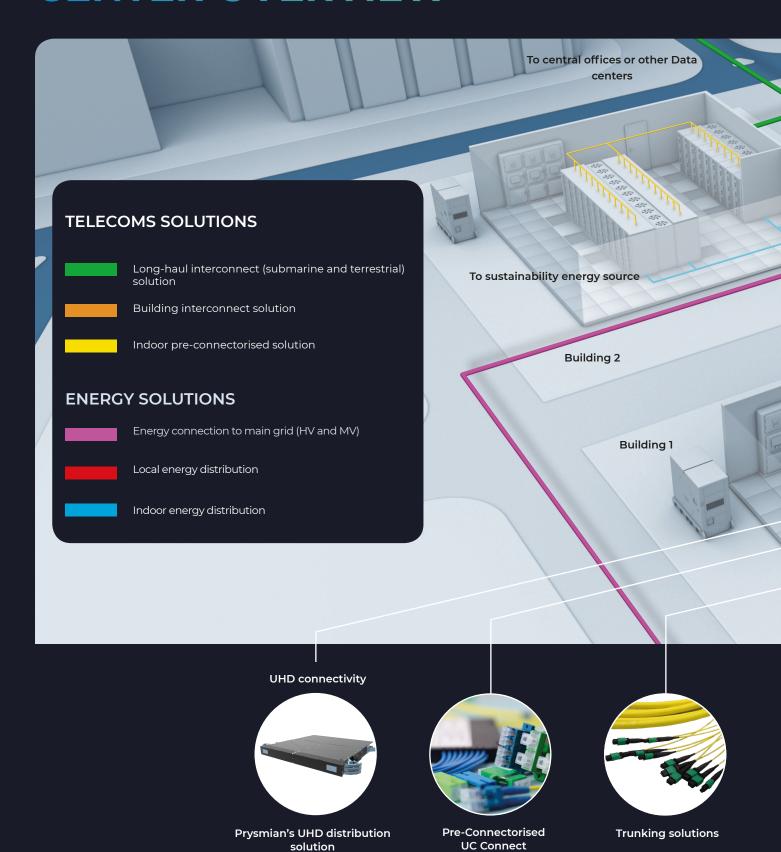
- Duplex/MPO Terminations
- Cassette Manufacture

#### **Phillippines:**

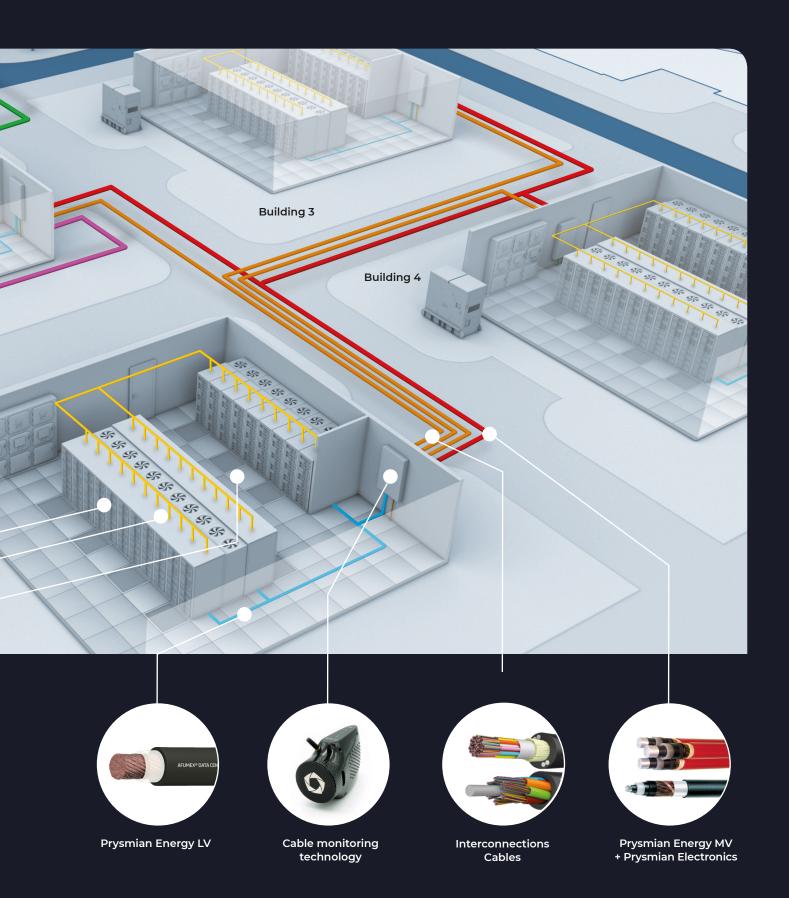
- Duplex/MPO Terminations
- Cassette Manufacture



# PRYSMIAN'S COMPLETE DATA CENTER OVERVIEW



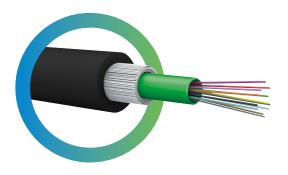




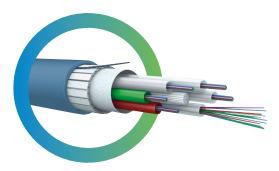


### **UC FIBRE**

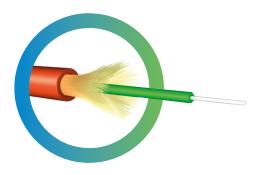
Range of  $C_{ca}$  and  $B2_{ca}$  CPR approved dielectric cables up to 432 fibres



**Uni Tube** 



Multi Loose Tube



**Tight Buffered** 





# DATA CENTERS INTERCONNECTIONS ADVANCED HIGH DENSITY CABLE SYSTEMS



FlexTube®

- · Up to 1728 fibres.
- Easy to access the fibres (end access) / easy to install tubes.



FlexRibbon™

- · Up to 6912 fibres.
- · Mass splicing.
- · Highest fibre count.



#### Sirocco®

- · Up to 864 fibres in 11.5 mm.
- · Smallest cable size / sustainability.
- $\cdot$  Expected lifetime of 50+ years.

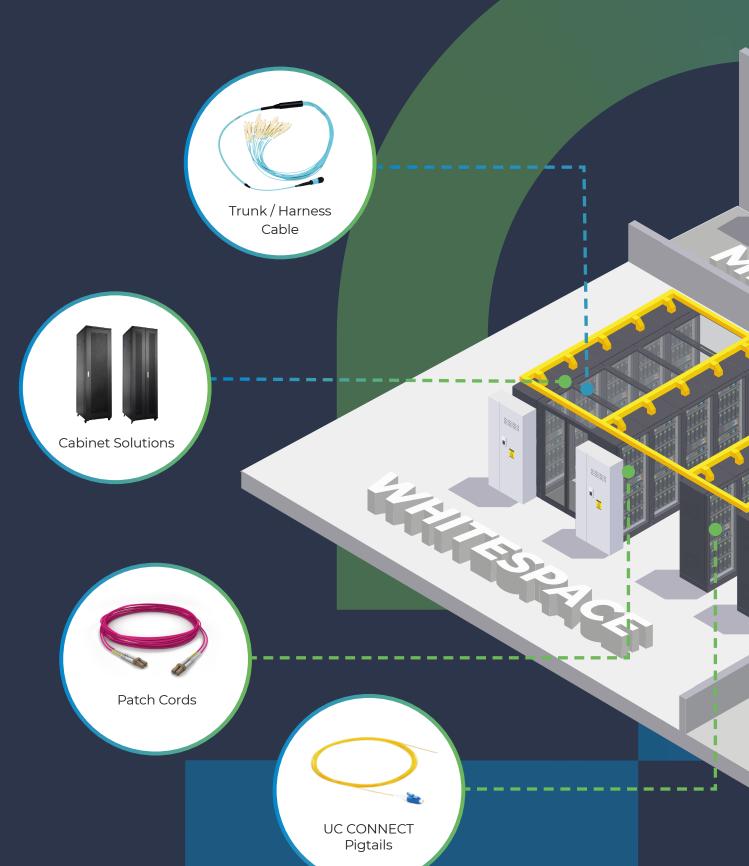


#### Loose tube 200 µm

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



# INTERNAL DATA CENTER PORTFOLIO









# MEET-ME ROOM SOLUTIONS













#### Medium, High and Ultra High-Density Series ODF

- From 432 to 5184 LC port capacity.
- 19 x 2U sub-rack capacity.
- · 36 x 1U sub-rack capacity.
- · Integrated internal yellow ducting.
- · Offset cable slack management (max 4.1 m).

#### **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 1.6 mm patch cords.
- · 96f LC splice only.

#### **Mass Fusion Splice**

- · Up to:
- 864f (FlexRibbon™).
- 384f (stranded fibre in 1U).
- · 2-Sided cable entry.

#### 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 600 mm and 300 mm ODF.



# OPTICAL FIBRE DUCTING SOLUTIONS

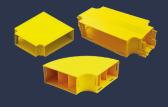
**Straight Duct** 



Joiners



Tees, Elbows & Crosses



**Breakouts** 



**Express Outlets** 



**Drop-Off Solutions** 



Reducers



Fibre Storage Loops



Tubing







### WHITESPACE SOLUTIONS

#### Trunk / Harness Cable

- Designs up to 3456 cores with multiple MTP connector breakouts.
- Base 8, 12, 16, 24 or 36 available.
- · 16f VSFF connector options available.
- · Can be supplied in custom lengths.





#### **Patch Cords**

- · Available including LC, SC, ST in OM1-5 and G657.A1 & G657.A2.
- European manufactured and CPR compliant patch cord range up to B2...
- · UPC and APC available.



#### **UC CONNECT Pigtails**

- Can be supplied with many different connector types such as FC, SC, ST, E2000, LC, DIN and others on request.
- · UPC and APC available.
- · Available in OS2 and OM3-OM5.





### WHITESPACE SOLUTIONS



#### **UC CONNECT Patch Panel**

- · System LC, ST, SC.
- · Single & Multimode.
- · 6-way up to 96-way.
- · Supplied with all required accessories
- · Built to order.



#### Multimedia System

- · Compact size 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.
- · One click latch technology for easy installation.
- · Front module access.

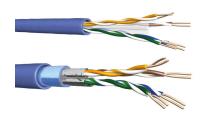


#### **Ultra High-Density System**

- · Ultra high-density fibre panels (144f LC).
- · Tool-less technology front and rear cassette loading.
- Up to 12f per cassette.
- Fully customizable sub-trays can accept base 8, 12 or 24.
- · 1U, 2U and 4U chassis.



### **COPPER SOLUTIONS**



#### **UC DATA Copper Cable**

- · Cat. 6 to Cat. 8.2.
- · U/UTP, U/FTP, F/FTP, S/FTP.
- $\cdot$  Available in B2  $_{\rm ca}$  -s1a,d1,a1 / C  $_{\rm ca}$  -s1a,d1,a1 / D  $_{\rm ca}$  -s2,d2,a1 / E  $_{\rm ca}$  / F  $_{\rm ca}$  euroclass.



#### **UC CONNECT Pre-Terminate Copper Trunk Cable**

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



#### **UC CONNECT Patch Panel**

- · Cat. 6 / Cat. 6A.
- · 19 inch rack mount.
- · Unshielded / Shielded.
- · Flat or angular, 24 and 48 ports.



#### **Keystone Jack**



- · Shielded and Unshielded version.
- · Tool Less version.
- · Field termination plug also available.



#### **UC CONNECT Dual Boot &** Slim flex Copper Patch Cord

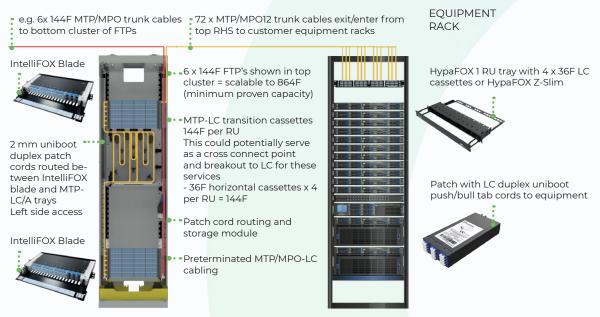
- · Cat. 6 and Cat. 6A stranded patch cord, LSZH.
- · Shielded 26AWG and Unshielded 24AWG.
- 50 μ gold plating contact.



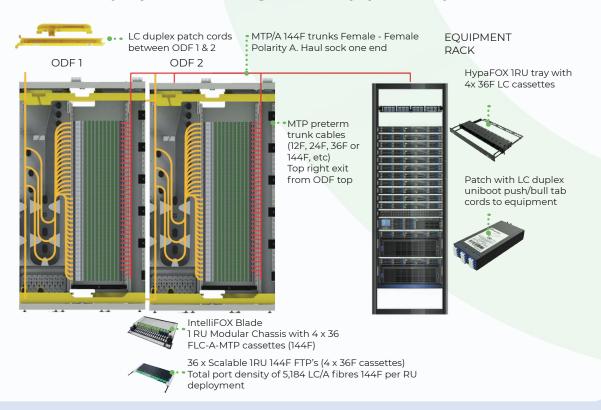


### **CROSS CONNECT**

#### Medium Density (up to 432f LC)



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





#### PRYSMIAN CABLES SPAIN, S.A.U.

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