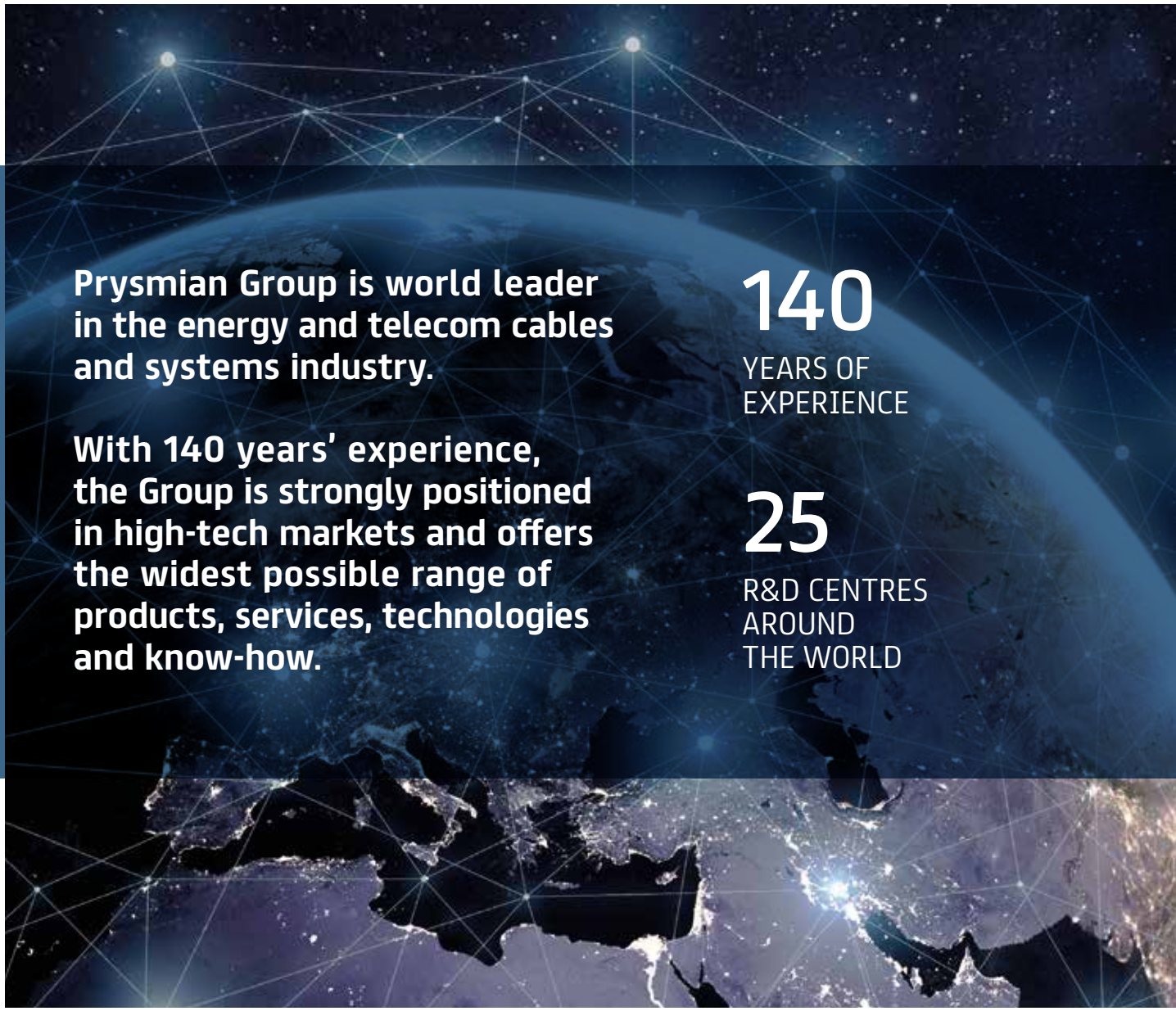
Safe – in so many ways.

Our Enel-certified PD cables are secured to the highest standards.

Prysmian Group

Linking the Future

CONNECTING THE WORLD. TODAY AND IN THE FUTURE.



Prysmian Group is world leader in the energy and telecom cables and systems industry.

With 140 years' experience, the Group is strongly positioned in high-tech markets and offers the widest possible range of products, services, technologies and know-how.

140
YEARS OF EXPERIENCE

25
R&D CENTRES AROUND THE WORLD

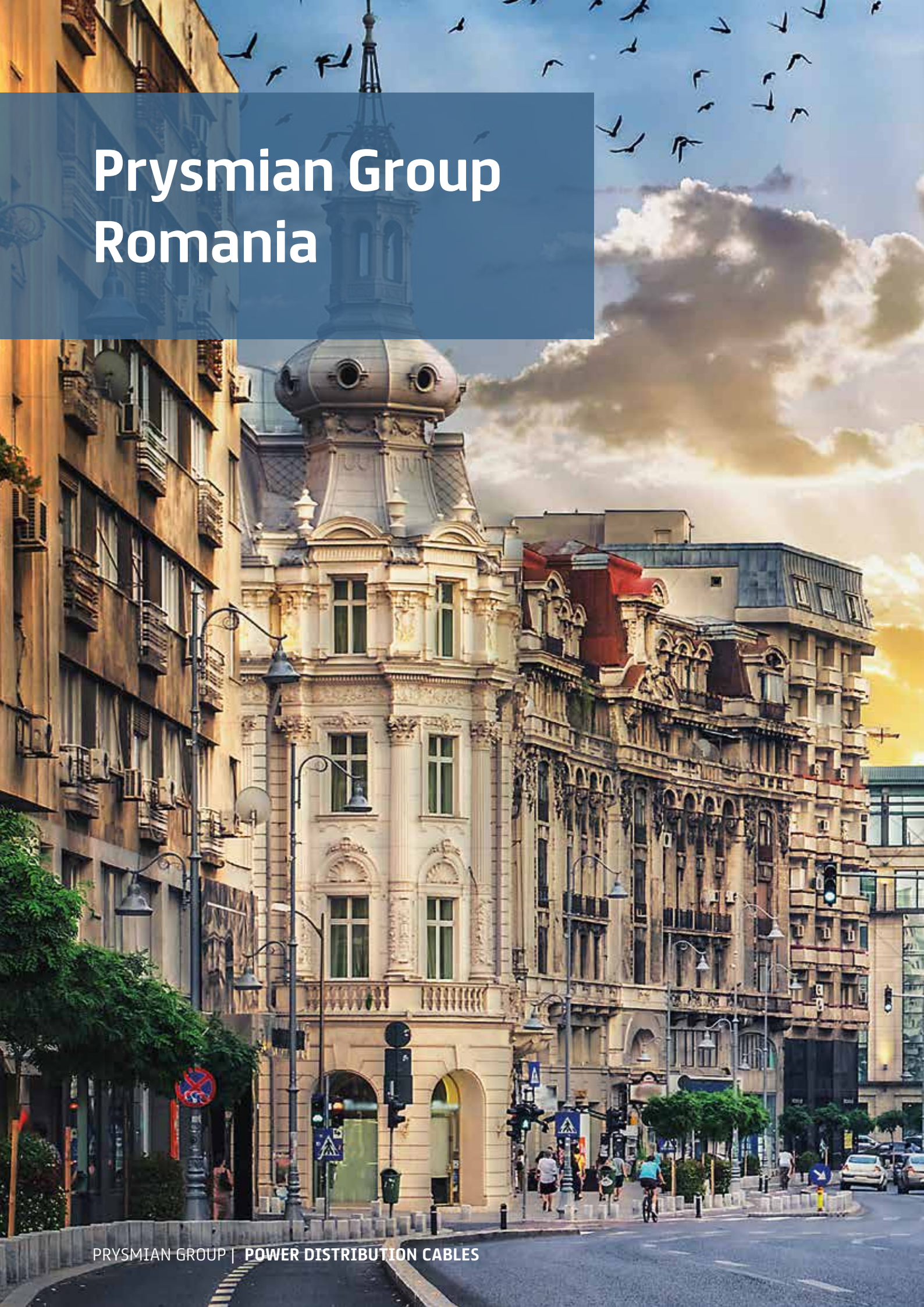
We specialise in underground and submarine cables and systems for power transmission and distribution, special cables for applications in many different industries, and medium and low voltage cables for the construction and infrastructure sectors.

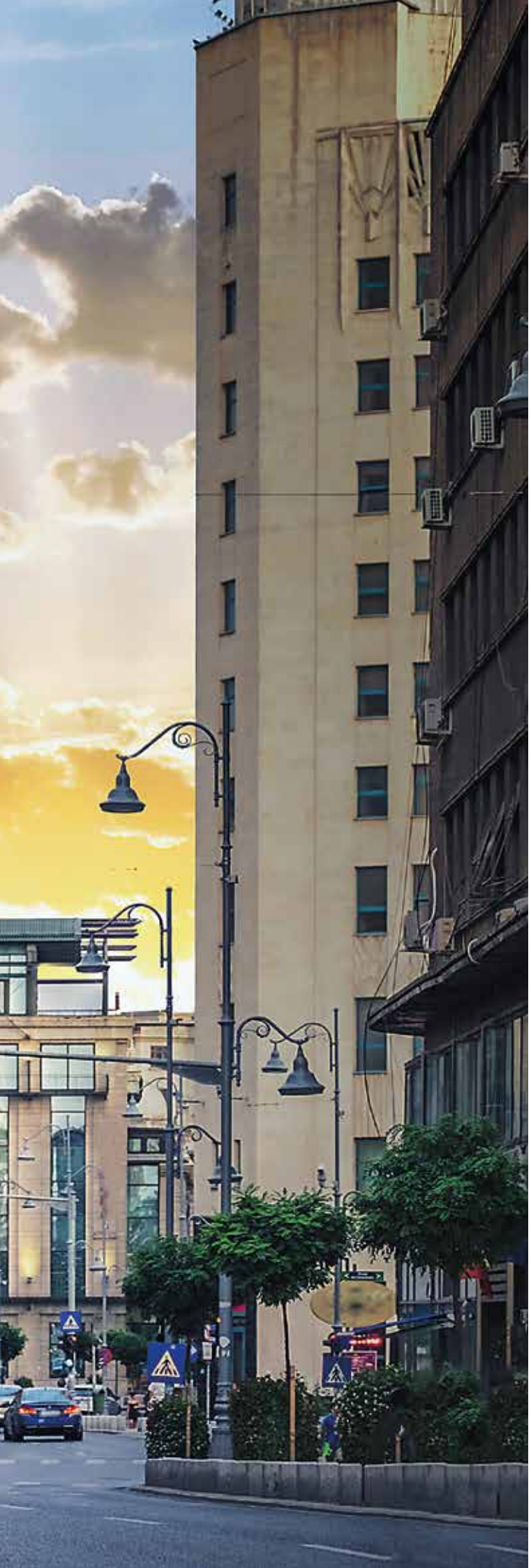
For the telecommunications industry, the Group is the world's largest provider of cutting-edge cables and accessories for voice, video and data transmission, offering a comprehensive range of optical fibres, optical and copper cables and connectivity systems.

We are committed to environmental responsibility in our production processes, the protection of the global environment, and the responsible management of relations with the local communities in which we work.

For us, innovation means meeting the needs of our customers and communities by understanding their business drivers as quickly as they do. To do that, our team of over 900 Research & Development professionals is constantly looking to the future, predicting and identifying emerging trends in each of our industries and sectors. Acting on this intelligence from 25 R&D centres around the world, we're constantly close to our customers in their own local markets.

Prysmian Group Romania





Global means local

From the deepest oceans and mines to the farthest satellites orbiting Earth in Space, you'll find products made by us. Prysmian Group Romania is a proud part of the world's largest global actor in the cable manufacturing business – Prysmian Group. But, no matter how large we are, we live and expand thanks to you, our local customers and business partners. In order to offer you tailormade solutions we appreciate the importance of understanding local preconditions and your special needs. That's why we believe it's crucial to be present here in Romania, while being backed-up by the capacity the global Group possesses. This business approach has made us the world's largest producer of safe and reliable cables for the power and telecommunication industry.

One company, three brands

The corporate brand operates through three distinct commercial brands incorporating our products and solutions: Prysmian, Draka and General Cable. As three of the market's strongest brands worldwide, they have highly complementary products and services.

Safe – in so many ways.

Our Enel-certified PD cables are secured to the highest standards.

Knowing that our PD cables can master the painstaking examinations set by Enel standards, is your guarantee that Prysmian Group Romania has the expertise to provide you with the highest quality products on the market. Being highly efficient, resilient, safe and sustainable your long-term ownership will be like money in the bank.

ENEL-CERTIFIED

Application

Our Enel-certified Power Distribution portfolio include LV and MV cables for transporting electricity and connect industries, offices and domestic buildings to the primary distribution networks.

Our electrical equipment is developed and manufactured with top quality in mind, to make sure you are receiving reliable products living up to the highest standards and certifications. In addition, we provide engineering services capable of fulfilling any power system specification or requirement, and of delivering customised solutions, including installation.

MAIN FEATURES

- Compliant with TCA (Technical Conformity Assessment)
- Manufactured according to specifications
- Superior performance
- Designed with innovative techniques to reduce our carbon footprints

THE ENEL-CERTIFICATION PROCESS

Since 2018, the power distribution company Enel Group has set very high standards on the cables they will purchase. It is necessary to go through a product approval procedure – TCA (Technical Conformity Assessment). A thorough procedure including several step and tests carried out at certified laboratories while being supervised and approved by highly experienced staff from Enel.

For the most critical cables, these inspections take place at almost every delivery. For example, our MV cables. In addition to the TCA, Enel carries out mandatory FAT (Factory Acceptance Test) inspection at the first delivery, making sure set standards are withheld throughout the process.

At Prysmian Group Romania, we welcome these initiatives as it is equally important to us that our society is equipped with safe and reliable cables. And the fact that we've always passed the tests and inspections successfully, shows that we not only have the wish, but also the skills to live up to the highest standards on the market.

A sustainable approach.

The Green Plan signed by the European Commission in December 2019, seeks to make Europe carbon neutral by 2050. At Prysmian Group we are deeply committed to make everything within our power to help realise these ambitions.

Sustainable power grids are key to reduce the carbon footprints and we want to contribute with smarter and more sustainable power distribution from wind and solar energy. To succeed we aim to partner with major utility companies such as Enel Group, engaged in upgrading and developing their electrical grids while seeking to reduce their environmental impact.

But more needs to be done to make a grid truly environmentally friendly. For this reason, we have decided to make environmental protection part of our business objectives. Besides providing our technologies to renewable energy infrastructures, we are developing specific environmentally friendly solutions and technologies to enhance grid sustainability at every stage. One such example is our medium voltage cable ARE4H5EX 3X. It is **eco-friendly and certified as a Product Carbon Footprint (PCF)** complying with requirements of **ISO 14067:2018 standard**.

Read more

ARE4*EX 0.6/1 kV CPR E

Application

Low voltage four cores cables with visible helix assembly for power distribution lines. Suitable to be used indoor or outdoor, laid in ducts or cable trays, in open air or direct buried with protection.

ARE4*EX 0.6/1 kV CPR E	
Globaal data	
Brand	Prysmian
Construction standard	GSC002
Design features	
Conductor material	Aluminium
Conductor type	Class 2 stranded
Core identification (acc. HD 308 S2)	Yes
Core insulation material	XLPE
Material outer sheath	Low smoke zero halogen
Outer sheath colour	Black
No. of cores x cross-section	3x95RM+50N 3x150RM+95N 3x240RM+150N
Electrical parameters	
Rated voltage U_0/U (U_m)	0.6/1 (1.2) kV
Test voltage	3.5 kV

ARE4*EX 0.6/1 kV CPR E	
Thermal parameters	
Max. conductor temperature	90 °C
Max. conductor temperature at short circuit	250 °C
Laying temperature	-20 °C – 50 °C
Chemical parameters	
CPR reaction to fire	E_{ca}
UV resistant	Yes
Silicon free	Yes
Lead free	Yes
Cable characteristics	
Outdoor installation	Yes
Underground installation	No
Suitable as installation cable	Yes
Bending radius (rule)	12 x D multi-core cables

ARE4*RX 0.6/1 kV

Application

Low voltage cables with visible helix assembly suitable for fixed installation outdoor or indoor. Used in distribution networks laying laid tube/pipes, in air or in underground tube.

ARE4*RX 0.6/1 kV	
Global data	
Brand	Prysmian
Construction standard	DC 4146 RO
Design features	
Conductor material	Aluminium
Conductor type	Class 2 stranded
Core identification (acc. HD 308 S2)	Yes
Core insulation material	XLPE
Material outer sheath	Polyvinyl chloride (PVC)
Outer sheath colour	Grey
No. of cores x cross-section	3x95RM+50N 3x150RM+95N 3x240RM+150N
Electrical parameters	
Rated voltage U_0/U (U_m)	0.6/1 (1.2) kV
Test voltage	3.5 kV

ARE4*RX 0.6/1 kV	
Thermal parameters	
Max. conductor temperature	90 °C
Max. conductor temperature at short circuit	250 °C
Laying temperature	-5 °C – 50 °C
Chemical parameters	
Flame retardant	Acc. to EN/IEC 60332-1-2
UV resistant	Yes
Silicon free	Yes
Lead free	Yes
Cable characteristics	
Outdoor installation	Yes
Underground installation	Yes
Suitable as installation cable	Yes
Bending radius (rule)	12 x D multi-core cables

ARE4*OCR 0.6/1 kV CPR E

Application

Low voltage three core cables with core and concentric conductor, suitable for fixed installation, both indoor and outdoor, on cable trays, in pipe, conduits or similar systems.

ARE4*OCR 0.6/1 kV CPR E	
Global data	
Brand	Prysmian
Construction standard	DC 4126
Design features	
Conductor material	Aluminium
Conductor type	Class 2 stranded
Core identification (acc. HD 308 S2)	Yes
Core insulation material	XLPE
Material outer sheath	Polyvinyl chloride (PVC)
Outer sheath colour	Grey
No. of cores x cross-section	3x25RM/16C 3x50RM/25C
Electrical parameters	
Rated voltage U_0/U (U_m)	0.6/1 (1.2) kV
Test voltage	3.5 kV

ARE4*OCR 0.6/1 kV CPR E	
Thermal parameters	
Max. conductor temperature	90 °C
Max. conductor temperature at short circuit	250 °C
Laying temperature	-5 °C – 50 °C
Chemical parameters	
CPR reaction to fire	E_{ca}
UV resistant	Yes
Silicon free	Yes
Lead free	Yes
Cable characteristics	
Outdoor installation	Yes
Underground installation	Yes
Suitable as installation cable	Yes
Bending radius (rule)	15 x D single-core cables 12 x D multi-cores cables

RE4*R 0.6/1 kV CPR E

Application

Low voltage cables for fixed installation outdoor or indoor where mechanical protection is not required and where the PVC sheath is not attacked by corrosive agents.

Can be used as connection cables inside wind power stations. Laying: in ground, in tube, free in air, indoors, in concrete and in water.

RE4*R 0.6/1 kV CPR E	
Global data	
Brand	Prysmian
Construction standard	DC 4141 RO
Design features	
Conductor material	Copper
Conductor type	Class 2 stranded
Core identification (acc. HD 308 S2)	Yes
Core insulation material	XLPE
Material outer sheath	Polyvinyl chloride (PVC)
Outer sheath colour	Grey
No. of cores x cross-section	1x150RM 1x240RM
Electrical parameters	
Rated voltage U_0/U (U_m)	0.6/1 (1.2) kV
Test voltage	3.5 kV

RE4*R 0.6/1 kV CPR E	
Thermal parameters	
Max. conductor temperature	90 °C
Max. conductor temperature at short circuit	250 °C
Laying temperature	-5 °C – 50 °C
Chemical parameters	
CPR reaction to fire	E_{ca}
UV resistant	Yes
Silicon free	Yes
Lead free	Yes
Cable characteristics	
Outdoor installation	Yes
Underground installation	Yes
Suitable as installation cable	Yes
Bending radius (rule)	15 x D single-core cables 12 x D multi-cores cables

ARE4*E4*X 0.6/1 kV

Application

Low voltage self-supporting cable visible helix assembly for power transportation with overhead lines. Suitable to be installed on supports, in pipes or conduits, along the walls of buildings.

ARE4*E4*X 0.6/1 kV	
Global data	
Brand	Prysmian
Construction standard	GSCC009
Design features	
Conductor material	Aluminium
Conductor type	Class 2 stranded
Core identification (acc. HD 308 S2)	Yes
Core insulation material	XLPE
Material outer sheath	Polyethylene (PE)
Outer sheath colour	Grey
No. of cores x cross-section	2x16RM 3x35RM+54,6RM 3x70RM+54,6RM 4x16RM
Electrical parameters	
Rated voltage U_0/U (U_m)	0.6/1 (1.2) kV
Test voltage	3.5 kV

ARE4*E4*X 0.6/1 kV	
Thermal parameters	
Max. conductor temperature	90 °C
Max. conductor temperature at short circuit	250 °C
Laying temperature	-20 °C – 50 °C
Chemical parameters	
UV resistant	Yes
Silicon free	Yes
Lead free	Yes
Cable characteristics	
Outdoor installation	Yes
Underground installation	No
Suitable as installation cable	Yes
Bending radius (rule)	12 x D multi-core cables

ARE4H5EX 12/20 kV TRIPLEX CPR F

Application

Cables for transport and distribution of electrical energy in dry, humid or moist outdoor application, direct buried, in underground pipes or in wind applications. The cables can handle medium mechanical stresses due to their aluminum tape screen.

They are designed to replace heavy and rigid cables armoured with metal in places where protection against damage is needed. Cables from this family are certified as a Product Carbon Footprint (PCF) complying with requirements of ISO 14067:2018 standard.

ARE4H5EX 12/20 kV TRIPLEX CPR F	
Global data	
Brand	Prysmian
Construction standard	GSC001
Design features	
Conductor material	Aluminium
Conductor type	Class 2 stranded
Core insulation material	XLPE
Longitudinal water blocking layer	Water swellable tape(s)
Radial water blocking cable	Yes
Protective barrier	Al/PE
Material outer sheath	HDPE
Outer sheath colour	Red
No. of cores x cross-section	3x1x185RM 3x1x240RM
Electrical parameters	
Rated voltage U_0/U (U_m)	12/20 (24) kV
Test voltage	42 kV

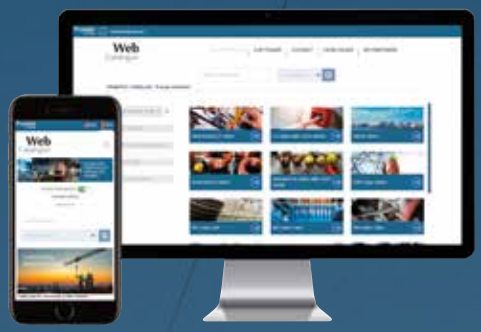
ARE4H5EX 12/20 kV TRIPLEX CPR F	
Thermal parameters	
Max. conductor temperature	90 °C
Max. conductor temperature at short circuit	250 °C
Laying temperature	-20 °C – 50 °C
Chemical parameters	
CPR reaction to fire	F_{ca}
Halogen free	Acc. to IEC/EN 60754-1/2
UV resistant	Yes
Silicon free	Yes
Lead free	Yes
Cable characteristics	
Outdoor installation	Yes
Underground installation	Yes
Suitable as installation cable	Yes
Bending radius (rule)	12 x D multi-core cables

Notes

AVAILABLE 24/7

Odd hours or working hours, our products are now within a click's reach whenever you need it. Complete with all relevant data about our cables, the web catalogue is there for the taking.

www.ro-catalogue.prysmiangroup.com



Prysmian Group

Linking the Future

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