

BE ENVIRONMENTALLY
CONSCIOUS
AND CHOOSE ECO CABLE!



ECO CABLE – OUR CONCEPT OF ENVIRONMENTAL ASSESSMENT

Cables are installed for years and therefore made to last. Prysmian's latest initiative **ECO CABLE** helps to make an environmentally conscious choice – choose cables that are durable but also have a lower environmental impact.

ECO CABLE is a new and transparent concept of environmental assessment. Sustainability is crucial and therefore we introduce **ECO CABLE** to support our customers' environmental work.

ECO CABLE, as a concept, is our label to offer a range of cables that have a lower environmental impact.

OUR COMMITMENT TO A BETTER FUTURE

We are committed to ensuring the sustainability of our processes and to safeguarding the environment. We work alongside local communities to support the energy transition, development, and digitisation of communities. We are aligned with UN's Sustainable Development Goals (SDG), we collect and evaluate our efforts.

See more:
baltics.prysmian.com/sustainability

ECO CABLE - TRANSPARENT CABLE ASSESSMENT

ECO CABLE is Prysmian's concept for measuring and making the environmental impact of our cables visible. **ECO CABLE** uses measurable and internationally recognised assessment criteria to determine a cable's environmental impact. The **ECO CABLE** label is provided to cables that achieve a sufficiently high total score in relation to the six assessment criteria below.

01 CARBON FOOTPRINT
Calculated with a 'cradle-to-gate' approach and combined with other parameters to achieve a full 'cradle-to-gate' carbon footprint.

04 RECYCLING INPUT RATE
Confirms the presence of recycled material in a cable, both purchased from external suppliers and reused by Prysmian itself.

02 SUBSTANCES OF VERY HIGH CONCERN
ECO CABLE products must be free of substances that are carcinogenic, mutagenic, toxic for reproduction, or hazardous for the environment.

05 ENVIRONMENTAL BENEFITS
Applies to low-carbon enabling products, CPR-compliant cables, and cables used for green energy sources.

03 RECYCLABILITY/CIRCULARITY
Indicates that materials used in the cables are potentially recyclable or the products themselves are potentially fully recyclable.

06 CABLE TRANSMISSION EFFICIENCY
The more efficient the cable, the more sustainable its performance.

Only cables with the highest scores are included in the ECO CABLE concept. The aim is to make it easier to choose cables for building homes, offices, factories and infrastructure for the future.

CABLES LABELLED WITH ECO CABLE

The **ECO CABLE** label is provided to selected cables which have achieved sufficient assessment points to obtain a higher environmental performance.

	CPR CLASS	VOLTAGE	MIN HANDLING TEMPERATURE	INSTALLATION
MK-HF C-Pro				
	Cca-s1d1a1	450/750V	-25°C	Insulated wire for fixed installation in a conduit, and fixed internal wiring in appliances
MKEM-HF C-Pro				
	Cca-s1d1a1	450/750V	-25°C	Insulated wire for fixed installation in a conduit, and fixed internal wiring in appliances
XPJ-HF C-Pro				
	Cca-s1d1a1	300/500V	-15°C	Installation cable for fixed indoors and outdoors use
XPK-HF C-Pro				
	Cca-s1d1a1	0,6/1kV	-15°C	Copper power cable for fixed indoors and outdoors use

MCMK-HF C-PRo and MCCMK-HF C-PRo



Cca-sld1a1

0,6/1kV

-15°C

Copper power cable for fixed indoors and outdoors use

AXCMK-HF C-PRo and AXCCMK-HF C-PRo



Cca-sld1a1

0,6/1kV

-15°C

Aluminium power cable for fixed indoors and outdoors use

MMO-HF C-PRo ja MCCMO-HF C-PRo



Cca-sld1a1

450/750V

-15°C

Copper cable for fixed control, measuring and signal circuits

KLMA-HF C-PRo



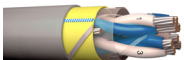
Cca-sld1a1

50V

-5°C

Signalling cable for building control and supervision centres, security systems and building automation

NOMAK-HF C-PRo ja JAMAK-C -HF C-PRo



Cca-sld1a1

250V

-5°C

Industrial data cable for control and supervision circuits

ECO CABLE DOCUMENTATION

Cables labelled with **ECO CABLE** are in addition to data sheet provided with transparent **ECO CABLE** documentation. Please note that shown documents are examples and subject to change.

Draka
A Brand of Prysmian Group

XPK-HF C-PRO
1 kV halogen free power cable with copper conductors





APPLICATION

Halogen-free and flame retardant power cable for places with higher safety requirements. Smoke generation in the event of fire is small, transparent (to facilitate evacuation) and not harmful to electronic equipment. In case of outdoor installation the cable should be protected for mechanical stress and water submersion.

CERTIFICATIONS AND DESIGN STANDARDS

<p>EN 60228 HD 6044G EN 50525:2014(A):2016</p> <p>HD 30782 EN 60330-1-2 EN 60330-3</p> <p>IEC 60734 IEC 61034</p>	<p>Conductor standard 1 kV 3.3 kV power cables with special fire performance Cables for general applications in construction works subject to reaction to fire requirements Identification of cores in cables and flexible cords Vertical flame propagation for a single insulated wire or cable Tests on electric and optical fibre cables under fire conditions, Part 3 Test for vertical flame spread of vertically-mounted bunched wires or cables</p> <p>Conductive gases Smoke density</p>
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<p>Conductor material Conductor surface Core insulation material Core identification (acc. HD 308 S2) Material outer sheath</p>	<p>Copper Bare Zn/Pb Yes Nanopigment polymer</p>
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<p>Rated voltage U₀/U (kV)</p> <p>Max. conductor temperature [°C]</p> <p>U₀/U resistant</p> <p>Permitted cable outer temperature during assembling/handling (max) [°C]</p> <p>Bending radius (m)</p>	<p>0.6/1 (1-2) kV</p> <p>90</p> <p>Yes</p> <p>15</p> <p>12d</p>
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<p>Reaction-to-fire class (acc. EN 13501-6)</p> <p>Smoke development class (acc. EN 13501-6)</p> <p>Euro class flaming droplets/particles (acc. EN 13501-6)</p> <p>Euro class smoke (acc. EN 13501-6)</p> <p>Flame retardant</p> <p>Halogen-free (acc. IEC 60754-2)</p> <p>Low smoke (acc. IEC 61034-2)</p>	<p>Cca</p> <p>s1</p> <p>s1</p> <p>s1</p> <p>s1</p> <p>Yes</p> <p>Yes</p>
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This document is subject to change as a result of product development activities and changes in product standards.
 version: 2.1

Prysmian Group ECO Cable
XPJ-HF C Pro 300/500 V

Halogen-free installation cable

Prysmian Group is the first cable manufacturer to develop a label based on measurable and recognised sustainability criteria in line with the EU ECO-label criteria.



1. CO₂ footprint
Inspired by ISO 14067

Product	kg CO ₂ / km
XPJ-HF C Pro 500V 2X1,5	322
XPJ-HF C pro 500V 3X1,5	421
XPJ-HF C Pro 500V 3G1,5	423
XPJ-HF C Pro 500V 4G1,5	563
XPJ-HF C Pro 500V 5G1,5	683
XPJ-HF C Pro 500V 2X2,5	492
XPJ-HF C pro 500V 3X2,5	650
XPJ-HF C Pro 500V 3G2,5	650
XPJ-HF C Pro 500V 4G2,5	923
XPJ-HF C Pro 500V 5G2,5	1039
XPJ-HF C Pro 500V 3G4 RE	1121
XPJ-HF C Pro 500V 4G4 RE	1535
XPJ-HF C Pro 500V 5G4 RE	1874
XPJ-HF C Pro 500V 3G6 RE	1498
XPJ-HF C Pro 500V 4G6 RE	1932
XPJ-HF C Pro 500V 5G6 RE	2555
XPJ-HF C Pro 500V 3G10 RE	2376
XPJ-HF C Pro 500V 4G10 RE	3099
XPJ-HF C Pro 500V 5G10 RE	3896

2. Substances of very high concern
REACH regulation 1907/2006

The cables do not contain any REACH/SVHC listed raw materials and comply with the requirements of the RoHS Directive.

3. Recyclability/circularity of the product
ISO 15270:2008

The metals used in the cable are 100% recyclable. Other materials used in the cable are 85.5% recyclable.

4. Recycled input
ISO 15270:2008

XPJ-HF C pro cable family does not contain recycled materials.

5. Environmental benefits
EN 50573 A1/2016 and EU Climate Bond Initiative

The cables are designed for conventional and reduced CO₂ installations. Cables improve fire resistance and belong to the CPR fire resistance class Cca-s1,d1,a1.

6. Cable transmission efficiency
Based on IEC 60302-1, IEC 60302-2, IEC 60340, IEC 62067 standards and considering Joule losses

The rated voltage of the cables is below 1 kV which is classified as low transmission efficiency category.

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Data sheet

ECO CABLE documentation

ENVIRONMENTAL LABELLING

Environmental labels provide information about a product or service in terms of its overall environmental character, a specific environmental aspect, or different aspects. It's possible to differentiate 3 types: I. labelling schemes, II. environmental claims that refer to an environmental aspect and III. independently verified and registered documents.

Type I is a voluntary multi-criteria ecolabel program assessed by an independent third party who considers the life cycle impacts of a product. Awarded certification authorizes the use of environmental labels on products and indicates overall environmental preferability of a product within a product category. The awarding body may be either a governmental organization or a private non-commercial entity. Examples: EU Ecolabel, Nordic swan and German Blue Angel.

Type II is a self-declared claim made by manufacturers or retailers without third-party auditing. Developed internally by companies, claims can take the form of a declaration, a logo, or a commercial. Prysmian's ECO CABLE is currently type II label.

Type III is an environmental product declaration consisting of quantified product information on the life cycle impacts. Instead of assessing or weighting the environmental performance of a product, this type of label only shows the objective data. For example, Environmental Product Declaration (EPD) communicates transparent information about the life-cycle environmental impact of products but does not imply that the declared product is environmentally superior to alternatives — it is simply a transparent declaration of the life-cycle environmental impact.

Cables are installed for years and therefore made to last. Be environmentally conscious and choose ECO CABLE!



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