



Be environmentally conscious and choose ECO CABLE!



Prysmian
Group

Linking
the Future

ECO CABLE – our concept of environmental assessment

Cables are installed for years and therefore made to last. Prysmian Group'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 promise 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**.
[prysmiangroup.com/
sustainability](https://prysmiangroup.com/sustainability)



ECO CABLE - transparent cable assessment

ECO CABLE is Prysmian Group'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.

1. CARBON FOOTPRINT

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

2. 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.

3. RECYCLABILITY/CIRCULARITY

Indicates that materials used in the cables are potentially recyclable or the products themselves are potentially fully recyclable.

4. RECYCLING INPUT RATE

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

5. ENVIRONMENTAL BENEFITS

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

6. 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.

| PRODUCT PICTURE | PRODUCT NAME | CPR CLASS | VOLTAGE | MIN HANDLING TEMPERATURE | INSTALLATION |
|-----------------|--------------|-----------|---------|--------------------------|--------------|
|-----------------|--------------|-----------|---------|--------------------------|--------------|



XPJ-HF C-Pro

Cca-s1d1a1

300/500V

-15°C

Installation cable for fixed indoors and outdoor use



XPK-HF C-Pro

Cca-s1d1a1

0,6/1kV

-15°C

Copper power cable for fixed indoor and outdoor use

C-Pro cables are ECO CABLE – durable cables that have a lower environmental impact!



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

| | |
|-----------------------------|---|
| EN 60228 | Conductor standard |
| HD 60460 | 1 kV & 3.3 kV power cables with special fire performance |
| EN 50575:2014A1:2016 | Cables for general applications in construction works subject to reaction to fire requirements |
| HD 308 82 | Identification of cores in cables and flexible cords |
| EN 60332-1-2 | Vertical flame propagation for a single insulated wire or cable |
| EN 60332-3-2 | Tests on electric and optical fibre cables under fire conditions. Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables. |
| IEC 60754 | Corrosive gases |
| IEC 61034 | Smoke density |

| | |
|--------------------------------------|---------------------|
| Conductor material | Copper |
| Conductor surface | Bars |
| Core insulation material | XLPE |
| Core identification (acc. HD 308 82) | Yes |
| Material outer sheath | Halogenfree polymer |


| | |
|---|------------------|
| Rated voltage (U ₀ /U _m) (kV) | 0.6/1 (1.2)/1 kV |
| Max. conductor temperature (°C) | 90 |
| UV resistant | Yes |
| Permitted cable outer temperature during assembling/handling (min) (°C) | -15 |
| Bending radius (mm) | 12xØ |

| | |
|--|------------------------------------|
| Reaction-to-fire class (acc. EN 13501-6) | Ca |
| Smoke development class (acc. EN 13501-6) | s1 |
| Euro class: Burning droplets/particles (acc. EN 13501-6) | s1 |
| Euro class: acidity (acc. EN 13501-6) | s1 |
| Flame retardant | In accordance with ENIEC 60332-1-2 |
| Halogen free (acc. IEC 60754-2) | Yes |
| Low smoke (acc. IEC 61034-2) | Yes |

We reserve the right to change as a result of product development and/or changes in product standards.

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Data sheet



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 | 421 |
| 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 | 1121 |
| XPJ-HF C Pro 500V 4G4 | 1535 |
| XPJ-HF C Pro 500V 5G4 | 1874 |
| XPJ-HF C Pro 500V 3G6 | 1498 |
| XPJ-HF C Pro 500V 4G6 | 1932 |
| XPJ-HF C Pro 500V 5G6 | 2553 |
| XPJ-HF C Pro 500V 3G10 | 2376 |
| XPJ-HF C Pro 500V 4G10 | 3099 |
| XPJ-HF C Pro 500V 5G10 | 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 50575: A1/2016 and EU Climate Bond Initiative

The cables are designed for environmental and reduced CO₂ installations. Cables improve fire resistance and belong to the CPR fire resistance class Cca-s1,d1,e1.


6. Cable transmission efficiency
Based on IEC 60502/1; IEC 60502/2; IEC 60840; 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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Linking
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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 Group'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.

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