

FOCUS ON THE FUTURE



ECO CABLE. LOW-IMPACT SOLUTION BY PRYSMIAN GROUP



Linking the Future

SEEING IS KNOWING

Welcome to ECO CABLE the latest initiative in Prysmian Group's environmental efforts to deliver transparent cable assessment and documentation.

SUPPORTING CUSTOMERS

Sustainable business activities are becoming increasingly important, but the path to creating a significant impact is not a straight line.

That's why we present ECO CABLE our own environmental assessment and documentation concept to support our customers' environmental efforts.



ECO CABLE as a concept, is our pledge that selected cables are environmentally friendly and live up to a Prysmian Group predefined level of excellence.

Our documentation provides a clear picture of a cable's environmental impact in terms of CO₂ emission, harmful substances and four other parameters.

OUR COMMITMENT

Improving on sustainability is integrated into every aspect of our company, from groundbreaking innovation, material selection, vendor evaluation, cable design, manufacturing processes and energy optimization, employee safety and logistics. Basically covering the whole supply-chain.

Prysmian Group has an on-going partnership with the Carbon Disclosure Project (CDP) to gather and evaluate our efforts targets, set future and activities aimed at tackling climate risk and reduce our carbon emissions.

In addition, Prysmian Group is committed to achieving validated SBTi goals to reach netzero carbon emissions for Scope 1 & 2 in 2035 and for Scope 3 in 2050. With a intermediate goal of reducing carbon emissions in 2030 by 46% for Scope 1 & 2 and for Scope 3 by 21%. <u>Read more</u>





16 SUSTAINABLE KPI TARGETS

Prysmian Group sustainability strategy is based on 7 UN Sustainability Development Goals (SDG) and 16 challenging targets to be achieved yearly. READ MORE ABOUT OUR



ECO CABLE

Is Prysmian Group's proprietary concept for measuring the environmental impact of our cables and providing transparent documentation based on Prysmian selected assessment criteria and benchmarks for environmental friendliness.

TRANSPARENT DOCUMENTATION

The ECO CABLE concept aims to make it easier for our customers to build homes, offices, factories and infrastructure for a greener future.

Only our highest scoring cables are included in the ECO Cable concept, along with full disclosure of their scores.





WE AIM TO CREATE VALUE VIA TRANSPARENCY

ECO CABLE is Prysmian Group's first global concept for cables with a lower environmental impact.

ECO LABEL six measurable criteria

For a cable to be labled ECO CABLE, it must achieve a sufficiently high total score in relation to below six assessment criteria.

CARBON EMISSION:

Indicates a cable's CO₂-emission acc. to Prysmian internal "cradle-to-gate" calculations based on general data from Ecoinvent version 3.6.

SIX MEASURABLE AND INTERNATIONALLY RECOGNIZED CRITERIA

CIRCULAR MATERIALS:

 Indicates the presence of recycled materials in a cable, both purchased from external suppliers or reused internally by Prysmian Group.

CHEMICAL SUBSTANCES:

Indicates that the cable's chemical contents are below the allowed thresholds for Substances of Very High Concern (SVHC) acc. to EU candidate list over chemicals dangerous for human health or the environment.

RE-USE & RECYCLING:

Indicates that materials used in the cable are potentially recycable or the cable itself is potentially partly or fully recycable.

OTHER PARAMETERS: CPR-fire class acc. to EN 50575 and classification as a sustainable business activity acc. to

as a sustainable business activity acc. to Carbon Bonds initiative taxonomy. **EFFICIENCY:** Cable efficiency measurement according to:

TRANSMISSION

IEC 60502/1 & 2 IEC 60840, IEC 62067.

OUR TARGET

ECO CABLE is our pledge to provide transparent assessment and documentation using measurable and recognizable criteria. ASSESSED

OF ALL CABLE FAMILIES USING ECO CABLE IN 2022

(FROM 0% IN 2019)



The cable documentation belongs to

ECO CABLE is a helpful and flexible tool

in situations where transparency and

documentaiton is important.

you, so you always have access to it

and can easily use it when needed.

ECO CABLE

ECO CABLE is not a label on a product, but a concept that includes product and documentation, which gives you insight into the sustainability performance of the cable family based on the six reported criteria.

ACEFLEX PURE 0,6/1 KV

Pioneering the ECO CABLE concept is Aceflex Pure 0.6/1kV. The distribution cable use a flexible cable design and is available in sizes 1.5 mm² to 16 mm² The PURE brand indicates that the cable meets the CPR requirements for indoor installation.

Overall, a very versatile and appreciated cable.

Aceflex Pure is accompanied with a general datasheet in addition to ECO CABLE documentation based on six environmental assessment criteria. In this way you know the environmental footprint of the cable.

ACEFLEX PURE 0,6/1 KV

Aceflex Pure 0.6/1 kV is the first cable on the Swedish market to receive the eco cable label, which means that you as a designer get a product that has achieved sufficient points to be classified as ECO CABLE, as well as documentation that supports and proves the assessment.

DATA SHEET

	Draka
ACEFLEX PURE 0,6/1 KV	
Halogenfri, väldigt flexibel kraftkabel	
	\$60
ESKRIVNING alogenti flexbel leaft- och installationskabel för öppen fast m	lörläggning, inom- och utomhua, i rör samt mark, dock ej i explosionsfarligs
Bernally belacioing	E5-ND21-K1 KV
TANDARDER, CERTIFIERINGAR OCH GOD	KÄNNANDEN
B) 🕺	
IC 68582-4 NE 21123 Part 4	Konstruktionsstandard Konstruktionsstandard
ABELKONSTRUKTION	
edarmalerial edaryta	Kapper Bank
obtionsmaterial	XLPE
Britning av ledans (enligt HD 308 52) baterial i ythe mantel	Ja Halogenthi och Tarmskyddad polymer
dellom	Rand
RAND OCH KEMISKA EGENSKAPER	
alogentri Ditatio	Ja (ECEN 60754-10) Ja
searing andisprictning och värmeutveckling (enl. EN 13501-6)	Da
Subvecking (eni. EN 12501-6)	12
irimande dropper (eni. EN 13501-6) Iyrshalt (eni. EN 13501-6)	4 1
ranac (en. EN 12001-0)	1

ECO CABLE DOCUMENTATION

TEST DOCUMENT ECO CABLI	ECO 🛞	
Product family: Aceflex ECO Cable Pure 0	,6/1 kV	
1. CO ₂ footprint a) CO ₂ value (CO ₂ /kg/m): 4,849		
2. Substances of Very High Concern a) Hazardous material value (% of cable): 0%		
3. Recyclability/Circularity a) Recyclability value (% of cable): 79,051%		
4. Recycled input a) Recycled metal value (Recycled metal % o b) Recycled plastics value (Recycled plastic ?	f cable): 40% 6 of cable): 0%	
5. Environmental benefits: a) CPR rating value (acidity class): Da1 b) Low CO ₂ value (Y/N): N		
6. Cable transmission efficiency a) Electrical value (Loss of (J)): 1		
Presented results equals mean values of pro-	duct family	
The document confirms that "Product family protocol and account for the product familie	y* has been tested according to the ECO CABLE s mean test results.	
	e *Product family* test result qualifies the prod-	
Signed by manufacturer by XXX, Manager C Location: Date:	Quality	
Prysmian	Linking the Future	
	TEST DOCUMENT ECO CABLE Product family: Aceflex ECO Cable Pure 0,6/1 k	V EEQ D
Test methods & standards		
	1. CO ₂ footprint Inspired by ISO 14067 Calculations performed acc. to Ecoinvent LCI (Lif	e Cycle Inventory) database, version 3.6
	2. Substances of Very High Concern Reach regulation 1907/2006	
 Recyclability/Circularity ISO 1572:0008 - Plantics – Guidelines for Recycled input Do ISO 202008 - Plantics – Guideliner J 		he recovery and recycling of plastics waste
		or the recovery and recycling of plastice
	waste 5. Environmental benefits:	
	 a) CPR rating: according to EN 50575 A1/2016 b) Acc: to Carbon Bond Initiatives Taxonomy: https://www.climatebonds.net/standard/taxonomy 	
	6. Cable transmission efficiency Transmission efficiency: no standard is directly applicable. Voltage classification indicated for following cable standards:	
	- IEC 60502/1 - IEC 60502/2 - IEC 60840 - IEC 62067	
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