



DID YOU GET USED TO THE NEW CPR? HERE'S A QUICK REVIEW!



How to recognize compliant cables?

The new CPR defines the rules and the requirements of construction products to be manufactured, distributed or installed in the European Union, cables included. Follow our checklist and make yourself sure you're following the rules.



Cables and their classes.

Every cable is manufactured for a specific purpose. The Euroclasses are a uniform classification criterion based upon the different reactions to fire of each cable, and distinguishes which one can be used depending on the environment they will be placed in.



Controls and responsibilities.

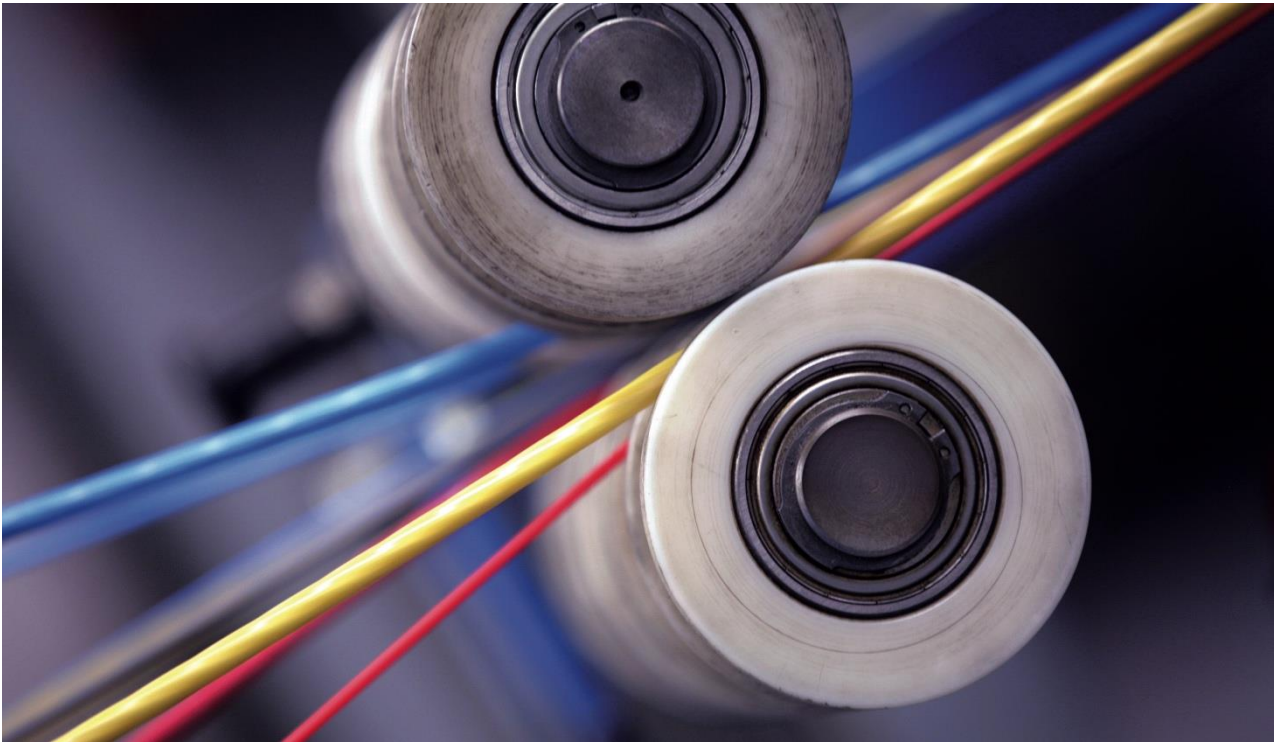
European Union and member countries has identified local market surveillance authorities to deal with violations and not compliant cables. Wondering which procedure you should follow to report an infraction?



Prysmian: a global public company with safety at its core.

Prysmian Group: a global company with safety at its core. Discover how our Group protects and supports its people across every location in the world through the most powerful tools: awareness and empowerment.

How to recognize compliant cables?



Last 1st July 2017, CPR became mandatory in all the European Union. If you followed our awareness campaign, you should be completely aware of what it aims to. But here's a quick review for anyone interested in the topic of safety in the construction industry.

The Construction Products Regulation (CPR) is the European legislation which defines the basic requirements and essential harmonized characteristics that all products designed to be permanently installed in construction works must satisfy within the EU application scope.

Checklist for distributors and installers: what to know and what to check concerning CPR label and DoP.

CPR compliancy for cables is based on two legal documents which have to be carefully prepared and made available by manufacturers and distributors accordingly to the CPR law:

1. The official CPR label which contains the CE marking;
2. The official Declaration of Performance which is linked to the CPR label through the Declaration of Performance number. The DoP is the legal document proving the compliance of the product to the relevant test methods and third party certification process which involves Notified Bodies officially appointed by the European Union whose list is kept updated on the NANDO website at this link:
http://ec.europa.eu/growth/tools-databases/nando/index.cfm?fuseaction=directive.notifiedbody&dir_id=33

Herewith are the official legal formats and elements which shall compose the CPR label and the Declaration of Performance as it is defined in the EN50575 standard.

If some element is missing or differently specified and used there is a serious risk that you are dealing with a non CPR compliant product or, worse, with a product which is counterfeit to appear like CPR compliant.

In these cases, as CPR compliance is legally mandatory to place/distribute on the market and install products for general use in constructions and civil engineering works we warmly advise you to take contact with Prysmian Group for further advise or to directly inform the nationally relevant CPR market surveillance authority. The risk is indeed to perform a non-CPR compliant purchase or installation and to violate the law, with all the related legal consequences (sanctions, EU blacklisting, withdrawal of the products from the market/installation).

CPR LABEL which contains the CE Marking.



DECLARATION OF PERFORMANCE (DoP)

No. 1002497

1. Unique identification code of the product-type:

FG16M16 - Single core cables with voltage rating 0.6/1 kV

2. Intended use:

Cable for general applications in construction works subject to reaction to fire requirements

3. Manufacturer

Prysmian Cavi e Sistemi Italia Srl
Via Chiese 6
20126 - Milano
Italy

4. Authorized representative

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5. System/s of AVCP

AVCP: 1+

6. Harmonized standard:

EN 50575:2014+A1:2016

Notified body:

0051 IMQ Istituto Italiano del marchio di qualità s.p.a

7. Declared performances:

Reaction to Fire: C_{ca}-s1b,d1,a1

Dangerous substances: NPD

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by Giuseppe Paparella, Quality Manager at Milano on 05/05/2017

WEB address of DOP finder: www.prysmiangroup.it/CPR

Elements.**Key aspects to consider and things to check concerning the CPR label and the CE marking.**

1. The DoP has to respect the official format and information as per the model included above which is the one inside the EN 50575 CPR legal standard;
 - The CPR label and the CE marking have to respect the official format and information as per the model included above which is the one inside the EN 50575 CPR legal standard;
 - DoP must be by law written in the language of the country where the cable product is sold. DoP in Italian is mandatory to sell in Italy, French has to be used in France and so on. Having a DoP in English it is not enough to sell in any of the EU countries, apart from UK and Ireland.
 - The DoP signature has to be digitally certified. This is to guarantee that the DoP is really coming from the signing entity/company but also to ensure that the data of the certificate and the related product certification is not changed/corrupted over the course of the time by the manufacturers or by other people/market operator handling the DoP. Each DoP certificate, once created has indeed to stay available for ten years without modifications.
2. The DoP to be valid has to refer to a specific identifiable cable product meaning a precise cable item composed by item name and cross section, or alternatively can be referred to a specific product family only. In the latter case in the same DoP there has to be an appendix which lists all the individual product codes (items name and cross section, in some case packaging type) covered by that DoP. Simplistic DoP created only on product family level or just specifying an open range of cross sections covered within that product family is not legally valid; DoP cannot be revised, if something changes with the certification/product/way of creating the documents there is the need to issue another DoP. If you have a DoP indicating version xyx, that is not valid.
3. The name of the manufacturer has to be specified including a clear address which can refer either to the original manufacturer production facility or to the selling entity facility of that manufacturer;
4. The name of the Authorized Representative should refer to the person that issued the declaration for the manufacturer and/or for the distributor
5. The DoP should show the correlated category from the "Assessment and Verification of Constancy of Performance" system, ranging from 1+ (best performances) to 4, the lowest AVCP System; Declaration on dangerous substances has to be indicated as NPD "no performance determined"
6. Harmonised standard shall be indicated as EN 50575:2014 + A1:2016.
7. The name and number of registration of the Notified Body is a fundamental field to check the validity of the certificate, the only codes and names possible are foundable on the NANDO website at this link: http://ec.europa.eu/growth/tools-databases/nando/index.cfm?fuseaction=directive.notifiedbody&dir_id=33
8. The text "The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above." Is a mandatory part of the official model of the DoP

Cables and their classes. Are you buying CPR-complaint cable?



Keep in mind that cables which do not have the certification and the related proving documents cannot be legally sold by manufacturers in the European market.

You have to check that both the label and the declaration of performance are in line with the requirements (and included in the EN 50575 standard) and that none of the compulsory fields and characteristics is missing.

Every cable must be CPR-labelled and must be associated with a DoP related to a specific product (individual product code) or a product family – provided that each of them is listed in the same DoP, which must be by law in the language of the country where you sell the product.

The Euroclasses: how to recognize and classify compliant cables.

Euroclasses are a single and uniform classification criterion in the whole of Europe that will help to define the fire reaction performance of cables. Hence, some classes have been defined*, using classification criteria in agreement the amount of heat emitted in presence of fire.

Likewise, it contemplates that the manufacturer, lacking requirements related to fire reaction, can use the “Undetermined performance” option (Euroclass Fca).

The Euroclass program provides rankings based on the following criteria:

- Contribution to expanding a fire (rating from “no contribution” to “high contribution,” with several levels in between)
- Smoke production development (rating from “limited production” to “strong production”)
- Burning falling particles/droplets (rating from “no droplets” to “high droplets”)
- Class corrosiveness/acidity of combustion gases (ranging from “low corrosiveness” to “high corrosiveness”)

Here's the list of Euroclasses:

Euroclass (ca)	Classification Criteria	Additional Criteria	Assessment and Verification of Constancy of Performance System
A	EN ISO 1716 Gross heat of combustion		
B1	EN 50399 Heat release – Flame spread	Smoke production (s1a, s1b, s2, s3) EN50399/EN61304-2	1+ Initial type-testing and factory inspection and continuous surveillance of factory production control (FPC) with audit testing of samples by 3 rd party notified product certification body
B2		Acidity (a1, a2, a3) EN 50267-2-3	
C		Flaming droplets (d0, d1, d2) EN 50399	
D			
E	EN 60332-1-2 Flame propagation		3 Initial type-testing by 3 rd party notified testing laboratory FPC by manufacturer
F			4 Initial type-testing and FPC by manufacturer

Controls and responsibilities.



Do you know that each European Country has identified a local Market Surveillance Authority to deal with violations and not compliant cables?

If you are a distributor, and importer or an installer, then you're a key player in recognizing products not conforming to the rules: always check that they show the CPR label and are accompanied by a proper Declaration of Performance. Also, if you market a product under your own trade name, you will be considered liable as a manufacturer and you will need to draw up a declaration of performance: keep a close eye and don't be shy in reporting any possible infraction!

Who should you report to?

Have a look to [our website](#) for the list of Local Market Surveillance Authorities in your country, and help us to ensure the construction of better and safer buildings

Obligation of distributors under CPR:

- **'Distributor'** means any natural or legal person in the supply chain, other than the manufacturer or the importer, who makes a construction product available on the market
- **Before making a construction product available** distributors shall ensure that the product, where required, **bears the CE marking** and is **accompanied by the documents required** under this Regulation
- Where a distributor considers or has reason to believe that a construction **product is not in conformity** with the declaration of performance or not in compliance with other applicable requirements in this Regulation, **the distributor shall not make the product available** on the market until it conforms
- **Where the product presents a risk**, distributors shall immediately **inform the competent national authorities**
- **A distributor shall ensure that**, while a construction product is under his responsibility, **storage or transport conditions do not jeopardize its conformity**
- Distributors shall, **further to a reasoned request** from a competent national authority, provide it with all the information and documentation necessary to **demonstrate the conformity**

Prysmian: a global public company with safety at its core.



We are a global public company with safety at its core. Every day, across all of our locations, our employees' work is subject to rigorous risk assessments, rules and regulations. To protect their safety, we adhere to OHSAS18001 health and safety management at all of our production locations.

Alongside adherence to best practices, we strongly believe that training and information are key in the prevention and management of risk. That is why we are showing the importance of the new CPR not only to our employees but also to stakeholders, #distributors and #installers.

Each office works to guarantee local compliance and sets specific training paths for workers, depending on their role, duties, levels of responsibility and working environment. Our aim is to ensure that all the work undertaken adheres to the latest best practices relating to health and safety.

We strongly believe that the best support to safety is awareness, warranted by correct information. Just like we are doing in spreading the news about the new CPR.

Every year, Prysmian's Health and Safety Executive reviews technical evaluations and updated rules and regulations to set out its plan for the future. Since safety is not just a matter of conforming to rules, but it is our priority, in our work as well as in the products we provide to our customers.