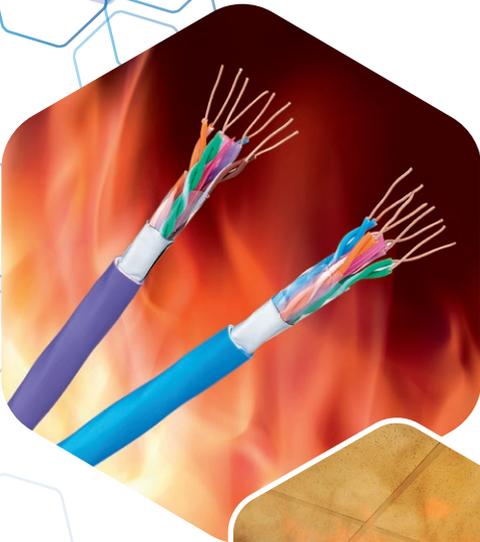


# CONSTRUCTION PRODUCTS REGULATION (CPR)

## MINI GUIDE



## What is CPR?

With new CPR (Construction Products Regulation) rules being implemented by the European Commission (EC), construction products – including cabling for fixed installations – can no longer be used in European buildings or civil engineering works if they are not tested and certified according to the new CPR rules.

Replacing the Construction Products Directive (CPD), which was first published by the EC in 1989, CPR is already applicable for non-cable products since July 2013. The official CPR introduction for cables was 10th June, 2016, following which manufacturers were given a 12-month transition period to ensure all cable products comply.

CPR ensures that distributors, consultants, systems integrators, installers and building owners have reliable product information from different manufacturers in different countries to make accurate product comparisons. This will allow for free movement of all construction products within the European Union.

## Euroclass program

Euroclasses are uniform assessment methods or classifications that reflect real-life environments for building products based on reaction-to-fire performance. The Euroclass Table defines seven classes for the reaction to the fire performance of cables. Analyzed in a simulated installation, measurements of flame spread, heat release, flaming droplets, smoke emission and corrosivity of gases are taken. Based on the cable's performance, it is placed into the Euroclass system that indicates its behavior during a fire.

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" to "high")**
- **Class corrosiveness/acidity of combustion gases (ranging from "low corrosiveness" to "high corrosiveness")**

Euroclass (ca)	Classification Criteria	Additional Criteria	Assessment and Verification of Constasy of Performance System
<b>A</b>	EN ISO 1716 Gross heat of combustion		
<b>B1</b>		Smoke production (s1a, s1b, s2, s3) EN 50399/EN 61034-2	1+ initial type-testing and factory inspection and continuous surveillance of factory production control (FPC) with audit testing of samples by 3rd party notified product certification body
<b>B2</b>	EN 50399 Heat release Flame spread	Acidity (a1, a2, a3) EN 50267-2-3	
<b>C</b>	EN 60332-1-2 Flame propagation	Flaming droplets (d0, d1, d2) EN 50399	
<b>D</b>			3 initial type-testing by 3rd party notified testing laboratory FPC by manufacturer
<b>E</b>	EN 60332-1-2 Flame propagation		
<b>F</b>			4 initial type-testing and FPC by manufacturer

## What does CPR mean for manufacturers?

Before placing a product on the market, there are certain rules that manufacturers must follow:

- Issue a Declaration of Conformity/Performance stating the Euroclass performance of the specific product.
- Affix the CE marking and keep all documentation for 10 years.
- Monitor the product (including self-testing of samples) following additional Assessment and Verification of Constancy of Performance requirements.
- List contact information of the product.
- Provide instructions and safety information in appropriate language.
- Take corrective measures when necessary and cooperate with any requests from authorities.

## What has Belden done to comply with CPR?

Belden has made significant investments in both state-of-the-art equipment and dedicated resources, to ensure its' products comply with CPR rules. There are now, in-house fire-testing capabilities for Belden's cabling products to be tested as well as work with notified bodies to ensure Belden products meet the requirements necessary for approvals. A cross functional team worked with contacts across the EU to understand the differing Euroclass requirements.

Belden followed a demanding test schedule between 2015 and 2017 to ensure its products were tested and comply with CPR rules prior to the lapse of the grace period 1st July 2017 and will continue to do so for all CPR products. In line with AVCP requirements Belden can demonstrate its products comply to CPR, the Euroclass performance as declared by the Declaration of Performance and can supply CE markings and Declaration of Performance certificates for its products.

You can Be Certain Belden products comply with CPR rules!

## Want to learn more?

Visit our dedicated CPR page at <http://info.belden.com/cpr>  
You can also contact us at [cprinfo@belden.com](mailto:cprinfo@belden.com)



## What does CPR mean for you?

### Distributors:

- Must ensure that the product is compliant and has all documentation to verify CPR compliance.
- All instructions and safety information must be in the appropriate language of the particular market.
- Distributors should check to see that the manufacturer has made the product identifiable, and that the manufacturer's and/or importer's contact details are visible.
- If products are stored or moved by the distributor, it must be done in such a way that compliance isn't altered.
- Must take corrective measures when necessary, and cooperate with any requests from authorities.
- When a distributor places a product on the market under its own trade name, or modifies a product in any way, the distributor is then viewed as the manufacturer.

### End Users:

- During specification phase, end users should refer to the harmonized technical specifications (specifically to the requirements of individual characteristics).
- While choosing products for construction projects, end users should review the Declaration of Conformity/Performance from the manufacturer.
- They must also check national annexes or standard recommendations, which offer guidance about appropriate minimum product performance levels.
- Compliance with local building regulations should also be followed by end users.

### Integrators:

Integrators have a list of responsibilities that are similar to those of end users:

- During specification phase, integrators should refer to the harmonized technical specifications (specifically to the requirements of individual characteristics).
- While selecting products for use in European buildings, integrators should be sure to review the manufacturer's Declaration of Conformity/Performance.
- They must also check national annexes or standard recommendations for guidance on appropriate minimum product performance levels.
- Compliance with local building regulations should also be ensured.

### Importers:

- Ensure that the manufacturer has done all that is required to comply with CPR.
- Ensure the importers name and contact details appear on the product, labelling or associated documents.
- Ensure instructions and safety information are in the appropriate language of the particular market.
- Ensure that products are stored or moved under such conditions that don't alter the products compliance.
- Keep documentation for 10 years.

**Be certain.**  
**Belden.**

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Belden Technical Support **+31 (0) 773 878 346**

**[www.beldensolutions.com](http://www.beldensolutions.com)**