

**The EU Construction Products Regulation 305/2011 (CPR) seeks to remove technical barriers to the trade of construction products in the European single market. It places obligations on manufacturers, distributors and importers of construction products when these products are placed on the market.**

EN 50575 is a harmonised European standard for cables in construction works subject to reaction to fire. With effect from 1st July 2017 it became obligatory for cables, having an intended use for permanent installation in buildings or construction works, to be accompanied by a Declaration of Performance (DoP) and to have CE marking under the CPR. This requirement relates only to the Reaction to Fire performance of the cables. Cables that retain functionality during a fire, are currently excluded from these requirements. Cable that was legally placed on the market prior to the 1st July 2017 does not need to be CPR compliant.

The UK has no legislation that determines the level of performance required for cables with respect to reaction to fire, however existing test methods can be used to illustrate the most important determinant for cables under CPR.

| EU classification for flame propagation, generation of heat |                                                                                                                    |                                                                         |                                                                                                        | Additional classification                                                          |                                    |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------|
| Class                                                       | Classification Criteria                                                                                            | Test Method/s                                                           | Approx. performances according to EN13501-6                                                            | Class and Criteria                                                                 | Test Method/s                      |
| <b>Aca</b>                                                  | Gross heat of combustion                                                                                           | EN ISO 1716                                                             | Products that practically cannot burn.                                                                 |                                                                                    |                                    |
| <b>B1ca</b>                                                 | Vertical flame spread (FS)<br>Total heat release (THR)<br>Max. heat release (PEAK HRR)<br>Fire growth rate (FIGRA) | EN 50399<br>30kw flame source<br>(very high intensity)                  | Products that are combustible but show no or very little burning.                                      | <b>s1</b> smoke density<br><b>d1</b> burning droplets<br><b>a1</b> acid generation | EN 61034-2<br>EN50399<br>EN60754-2 |
| <b>B2ca</b>                                                 | Vertical flame spread (FS)<br>Total heat release (THR)<br>Max. heat release (PEAK HRR)<br>Fire growth rate (FIGRA) | EN 50399<br>20.5kw flame source<br>(very high intensity)                | Products that are combustible but show no or very little burning.                                      | <b>s1</b> smoke density<br><b>d1</b> burning droplets<br><b>a1</b> acid generation | EN 61034-2<br>EN50399<br>EN60754-2 |
| <b>Cca</b>                                                  | Vertical flame spread (FS)<br>Total heat release (THR)<br>Max. heat release (PEAK HRR)<br>Fire growth rate (FIGRA) | EN 50399<br>20.5kw flame source<br>(very high intensity)                | Products that don't give a continuous flame spread, show limited fire growth rate & heat release rates | <b>s2</b> smoke density<br><b>d1</b> burning droplets<br><b>a2</b> acid generation | EN 61034-2<br>EN50399<br>EN60754-2 |
| <b>Dca</b>                                                  | Total heat release (THR)<br>Max. heat release (PEAK HRR)<br>Fire growth rate (FIGRA)<br>Vertical flame spread (H)  | EN 50399<br>20.5kw flame source<br>(very high intensity)<br>EN60332-1-2 | Products that show a continuous flame spread, moderate fire growth rate and heat release rate.         |                                                                                    |                                    |
| <b>Eca</b>                                                  | Vertical flame spread (H)                                                                                          | EN60332-1-2                                                             | Products where a small flame attack will not cause a large flame spread                                |                                                                                    |                                    |
| <b>Fca</b>                                                  | Vertical flame spread (H)                                                                                          | EN60332-1-2                                                             | Flammable products                                                                                     |                                                                                    |                                    |

**More information can be found in the British Cables Association (BCA) Guidance for Construction Products Regulation (CPR) and cables.**

For cable manufactured within the EU it is the responsibility of the manufacturer to provide the DoP and to apply CE marking. For cable manufactured in a non-EU country it is the responsibility of the importer to ensure that the manufacturer has verified the performance of the cable, drawn up the appropriate technical documentation and the DoP, and that CPR compliant CE marking has been applied.

We will continue to monitor our supply chain to ensure that all products supplied by Central Cables are fully compliant with the requirements of EU Construction Products Regulation 305/2011. However as Central Cables Ltd is not a manufacturer, we are not in the position to give legally binding information, any information you receive is provided by the manufacturer and therefore we will assume no liability for financial losses (indemnity, loss of profit) or civil penalties caused by any official ruling.

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