

CE Marking – EU Directives, Regulations and Cables

April 2025

The Construction Products Regulation (CPR)

Scope: All fixed cables. Connectivity and patchcords are out of scope.

The inclusion of EN50575:2014, "Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements", in the Official Journal (2015/C 378/03) meant that the CPR directive (EU 2011/205/) also applied to all power, communication and control cables that are permanently installed or "fixed" into a building construction from the 01 July 2017. This means that all these products must be CE marked and have a relevant Declaration of Performance (DoP) detailing its essential performance characteristics. The levels of performance of cables (i.e. reaction to fire) required in buildings are specified per National regulations or wiring codes. Leviton's communications cables (both optical and copper cables) for structured wiring installations in buildings are all "CE" marked under the CPR. Where a cable is required to comply against CPR, the primary CE mark will be against this directive. For more information (and for copies of Declarations of Performance) go to www.levitonemea.com

CE Marking

Scope: All fixed cables + active equipment (e.g. Smartpatch). Connectivity is out of scope.

CE marking is a passport that enables a product, irrespective of its origin, to be legally placed on the market of EEA member states. It means that a product meets certain minimum standards for health, safety and economy of energy. It is not a quality mark. The difference between a quality mark and the CE mark is that the certification system upon which quality marks operate is determined by the legal owner of that quality mark. With a CE mark, it represents a common approach to conformity that is recognised in all countries making up the EEA.

The Low Voltage Directive (LVD)

Scope: Copper cables as detailed in the Declaration of Conformity. Fibre cables out of scope.

The new LVD (2014/35/EU) repealed the previous directive (2006/95/EC) in April 2016. The scope of the directive is unchanged: "The Directive applies to all electrical equipment designed for use with a voltage rating of between 50 and 1000 V for alternating current and between 75 and 1500V for direct current. Voltage ratings refer to the voltage of the electrical input or output, not to voltages that may appear inside the equipment." Leviton self certifies its products to the LVD in accordance with "the 'Blue Guide' on implementation of EU product rules 2016". Leviton structured wiring Copper cable products are designed, manufactured and tested in-house against harmonised standards, i.e. the EN50288 and EN50441 product standards and EN50289 and

EN50290 test standards, and thereby the products fully comply with the requirements of the Low Voltage Directive (LVD) 2014/35/EC. A Declaration of Conformity (DoC) accompanies the CE marking for the relevant copper cable where the LDV applies. Leviton's structured wiring Copper cables are "CE" marked against the LVD.

The Electromagnetic Compatibility Directive (EMCD)

The EMCD does not apply to communications cables or connectivity manufactured by Leviton. The latest Electromagnetic Compatibility Directive (EMCD) 2014/30/EU was published in the Official Journal (OJ) in 2014 repealing previous versions of the EMCD and it has been applicable from April 2016. Cables and cabling are specifically excluded from the EMCD because they are 'inherently benign' in terms of electro-magnetic compatibility. Equipment is considered 'inherently benign' in terms of electromagnetic compatibility if:

- its inherent physical characteristics are such that it is incapable of generating or contributing to electromagnetic emissions which exceed a level allowing radio and telecommunications equipment and other equipment to operate as intended; and,
- it will operate without unacceptable degradation in the presence of the electromagnetic disturbance normally present in its intended environment.

*Both conditions need to be met to classify equipment as inherently benign.

NB: the guidance notes on the EMCD do advise that "manufacturers should be aware that the characteristics and installation of cables and cabling can have a significant impact upon the EMC performance of equipment". This is a cautionary note. The statement is true, if cables are included in equipment tests, or in installations subject to EMI. Care should be taken to choose those cables appropriately.

Do No Significant Harm (DNSH)

Scope: All products.

Leviton Manufacturing UK Ltd products comply with the principle of DNSH to the Environment as specified in the "Taxonomy for sustainable finance" EU Regulation 2020/852. The company's manufacturing practices are detailed below which contribute towards the 6 Environmental Objectives. They include:

- UK manufacturing sites are ISO14001, ISO50001 and PAS2060 Carbon Neutral compliant.
- Use of 100% certified renewable energy to manufacture cables.
- Water stewardship through operation of closed loop water systems in our UK factories.
 - Implementation of PAS 510 to control handling of Plastic pellets and ensure no plastic pellets reach waterways.
- Cable and connectivity products use safe, assured materials, compliant with ROHS3, REACH and WEEE (Italia RAEE) and several products have been self-declared as ILBC Red List Free.

- Product Carbon Footprint and LifeCycle Assessments are regularly conducted on cable and connectivity products.
- Environmental Product Declarations (EPD) are available for global cable and connectivity products.

The Ecodesign Directive (2009)

Scope: All product, cable and connectivity.

The European Union's Ecodesign Directive (Directive 2009/125/EC) establishes a framework to set mandatory ecological requirements for energy-using and energy-related products sold in member states. This scope does not include data communications cables. They are primarily designed as a passive product to carry data transmission signals and are optimised for this functionality. We do note that there is an increased use of PoE through our products, this is not the data communication cable's primary function. Leviton can provide further details upon request on this area.

A handwritten signature in black ink, reading "Alan McGurk". The signature is fluid and cursive.

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Signed for and on behalf of Leviton Manufacturing UK Ltd.

Dr Alan McGurk

Senior Engineering Manager