



European Construction Products Regulation (CPR) for cables

Confirm the compliance of your cables to the European Union's and the U.K.'s Construction Products Regulation.

Construction Products Regulation (EU) 305/2011 (CPR) requirements became mandatory in the European Union (EU) on July 1, 2017, for power, control and communication cables manufactured or imported into the EU that are to be permanently installed in buildings. Because of Brexit, on Jan. 1, 2023, power, control and communication cables manufactured or imported into U.K. will fall under U.K. jurisdiction.

To comply with the regulation, cables must meet strict testing and quality assessment requirements before they can be allowed to bear the CE marking (European Union), the UKCA Marking (England, Wales and Scotland), and the UKNI (Northern Ireland) and be used in buildings. Testing, quality assessments and certification can be conducted by UL and helps your movement of products into the EU 27 and U.K. marketplaces.

UL is a System 1+ Notified Body (2821) in the EU as well as an U.K. Approved Body for wire and cable. This allows us to offer CPR testing and evaluation services to issue the CE, UKCA and UKNI marking on cables.

The regulation provides unified requirements for reaction to fire for power, control, communications and optical fiber cables intended for installations in all types of construction works in all EU member states and in the U.K.

Cables are categorized by seven performance classes based on their reaction to fire. Additional subclasses are available based on smoke production, flaming droplets and acidity.

In addition to testing, classes are defined by Assessment and Verification of Constancy of Performance (AVCP). The five Systems range from the highest, AVCP System 1+, initial type-testing and factory inspection and ongoing assessment of factory production control (FPC) with audit testing of samples by the notified product certification body, to the lowest, AVCP System 4, only requiring initial type-testing and FPC by the manufacturer. The System 1+ would be a similar approach to UL's Safety Certification Scheme.



Classes, test methods for AVCP systems

Class	EN ISO 1716	EN 50399	EN 60332-1-2	EN 61034-2	EN 60754-2	AVCP
A _{ca}	R	-	-	-	-	1+
B1 _{ca}	-	R	R	O	O	
B2 _{ca}	-	R	R	O	O	
C _{ca}	-	R	R	O	O	
D _{ca}	-	R	R	O	O	3
E _{ca}	-	-	R	-	-	4
F _{ca}	-	-	R**	-	-	4

R = required tasks
O = optional, additional tests for subclasses
** = may be carried out by the manufacturer

Benefits of CPR compliance testing for cables:

- As an Approved Body for wire and cable products in the EU and the U.K., UL can help with uninterrupted support for customers needing the CE and UKCA marking.
- Receive local, seamless support navigating CE, UKCA and other markings with UL's Global Market Access assessment services.
- Remove the market complexity burden off your shoulders and trust UL's facilities near you to get your questions answered in your own time, language and channels.
- Gain market recognition by leveraging UL's expertise in fire testing and global certification along with years of experience in conducting CPR testing.

Learn more about UL's CPR Evaluation Services for Cables at [UL.com/services/cpr-evaluation-services-cables](https://www.ul.com/services/cpr-evaluation-services-cables).



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