

**BASEC****TESTING**

Meeting the challenge of CPR

An introduction to:

CPR

Construction Products Regulation

Under the European Construction Products Regulation (CPR), it will become mandatory for manufacturers to apply CE marking to any products covered by a harmonised European standard (hEN). The CPR will apply to all cables placed for sale on the market for use in fixed installation in domestic, commercial and industrial premises anywhere in the European Union, including power, communications and fibre optic cables and applies to all cables irrespective of the place of manufacture. These tests must in most cases will be carried out by an independent Approved Body.

BASEC Group Limited (BASEC) is a candidate Approved Body for the CPR and for over 50 years it has been a global leader in the testing and certification of cables. We have recently invested heavily in new equipment to allow us to test to all the requirements of the CPR in respect of cables. BASEC will provide a full service to manufacturers and traders under the CPR.



Training



Testing



Trade

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BASEC

BRITISH APPROVALS SERVICE FOR CABLES

Are you manufacturing cable for sale in Europe?

Trust us to help you meet the

CPR

Construction Products Regulation

The Construction Products Regulation is solely concerned with reaction to fire and resistance to fire properties of these products, resulting in awarding classifications often known as “Euroclasses” to each product or range of products. The established classes and test methods for cable for reaction to fire are shown here. The resistance to fire CPR is still under development at the present time.

Class	Heat of combustion EN ISO 1716	Heat release & smoke production EN 50399	Vertical flame propagation EN 60332-1-2	Smoke density EN 61034-2	Acidity/acid gas content EN 60754-2
A _{ca}	X				
B1 _{ca}		X	X	X	X
B2 _{ca}		X	X	X	X
C _{ca}		X	X	X	X
D _{ca}		X	X	X	X
E _{ca}			X		
F _{ca}			X		

- Categories Aca, B1ca, B2ca and Cca are subject to the requirement of AVCP System 1+.
This requires an approved certification body:-
 - Initial inspection of plant and factory production control
 - Initial type testing
 - Surveillance, assessment and evaluation of factory production control, twice per year
 - Audit testing of samples*The manufacturer undertakes internal FPC & routine audit testing.*
- Categories Dca and Eca are subject to the requirement of AVCP System 3.
This requires notified laboratory:-
 - Initial type testing*The manufacturer undertakes internal FPC & routine audit testing.*
- Category Fca to AVCP System 4 manufacturer duties only.

To reduce the cost of these requirements, it is expected to be possible to group cables into “families” and assess them in accordance with the proposed EXAP (extended application) rules. BASEC will work with clients in utilising these systems to best effect. However EXAPs do not apply to all cables.

BASEC maintains appropriate Notifications to European Directives covering cable products and we can provide procedural advice, perform assessments and prepare technical reports for manufacturers and importers of cable products. BASEC is also an active participant of the active participant of the group of approved bodies which provides further guidance to facilitate equivalent assessment for all members.

www.BASEC.org.uk



CPR training courses

BASEC's CPR training course is intended for manufacturers and distributors of power, communication and optical cables that fall under the requirements of the CPR for 'reaction to fire', in accordance with EN 50575 and related standards.

CPR introduces new testing and certification requirements for manufacturers and distributors supplying cable products to European markets. It applies to any type of cable that is intended to fit permanently into the structure of a building, including power distribution, final circuit wiring, control and instrumentation and data communications (copper and optical). Important information on documentation/declaration requirements and CE marking rules will also be covered.

For further information or to stay updated with events please visit www.basec.org.uk

The course can also be commissioned to take place on-site, please contact us for your requirements.

