

### **1. What is CPR?**

CPR stands for Construction Products Regulation. According to the latest regulation, CPR for cable products (fixed installation) will become a legal requirement from 1st July, 2017.

### **2. What is Caleb's current Euroclass for cables?**

Caleb has invested a lot to verify the cables from Eca to B2ca, and with additional performance for smoke density and acidity. You can visit below link to view our current classification reports and certificates (for Euroclass classification and testing requirement, pls refer to the charts at the end of page),. And we expect more classification reports and certificates to come in the near future.

[Caleb Product Euroclass](#)

### **3. What is the CPR requirement for importers (Caleb's customers) in EU and UK?**

If the importer markets the cable under his own name and brand, he will per definition be the manufacturer (in relation to CE marking and EU directives/regulations) and will therefore also have the same responsibilities as the original manufacturer. Therefore, the importer needs to make sure the products are CPR complaint and with correct CE labeling and also with a DoP Declaration;

### **4. Do the importers need to get a parallel classification reports/certificates for the products marketed under their own brands?**

a. If the cable is type tested under AVCP system 3 (Eca and Dca products), it is no problem that importers do not have the documents under their own name – as long as they can document that the cable has been tested by notified testing laboratory, and have ensured that the manufacturer has an FPC system in accordance with EN 50575 so that the essential characteristics are maintained (constancy of performance).

If the importer has multiple suppliers for the given type of cable, he has to add some kind of marking/code to be able to identify the actual manufacturer and to link it to the right classification report. There is no requirement for the syntax/type of code to use – it is up to the importer to decide and to manage (it is under his full responsibility that the applicable assessment procedure has been followed and completed, and that the required technical documentation /technical file is available.

b.If the product is to be marketed as Class Cca and B2ca, he must follow AVCP system 1+, and in this case he shall have a product certificate (Certificate of Constancy of Performance) issued by a notified body in his own name.

This CCP further shall include information about the manufacturing plant;

### **5. What will be the requirement for CE marking/labeling and cable marking?**

a. The CE marking shall include information about Class, manufacturer, number of notified body etc. and shall be affixed visibly, legibly and indelibly to the construction product or to a label attached to it. Where this is not possible or not warranted on account of the nature of the product, it shall be affixed to the packaging or to the accompanying documents

b. There is no marking requirement for cable. However, it may be good to include the Euroclass for fire reaction for easier reference;

## **6. What about the resale of cables after July 1st, 2017**

From the EU Blue Guide:

- *A product is placed on the market when it is made available for the first time on the Union market.*
- *Products made available on the market must comply with the applicable Union harmonisation legislation at the moment of placing on the market.*

That is: The product SHALL comply with CPR if it is PLACED on the market after 1 July 2017.

Note that CE marking requirements are linked to the INDIVIDUAL product, e.g. the given REEL OF CABLE, and it is the date for the first commercial transaction for the given reel that determines whether it must comply with CPR or not.

The placing on the market is typically when a manufacturer or an importer sells to a distributor or end-user in the European Union.

HOWEVER: If IMPORTER imports from manufacturers outside EU, this is NOT considered “placing on the market”. The placing on the market will then be when the importer sells to a distributor or end-user.

If an importer (in Europe) sells the cable (reel) BEFORE 1 July 2017, it is not mandatory to comply with the CPR. The same applies, when the same cable (reel) is subject to subsequent transactions (e.g. distributor to distributor or distributor to end-user).

If the importer sells the cable (reel) AFTER 1 July 2017, the cable (reel) SHALL comply with CPR (testing, marking, etc.)

## **7. It is important to know that each country may have their own requirements for Euro Class and additional requirements.**

### Euroclass

Euroclass (ca)	Main Classification	Additional Performance Declared	Assessment System and Notified Body or Testing Lab Involved	
A	EN ISO 1716 Gross heat of combustion		<p style="text-align: center;">System 1+</p> initial type testing and initial inspection audit (IIA) and continuous surveillance audit (CSA) of factory production control (FPC) by 3rd party notified body	
B1	EN 50399 Heat release Flame spread	Smoke production (s1a, s1b, s2, s3) EN 50399/ EN 61034-2		
B2		Acidity (a1 , a2, a3) EN 50267-2-3		
C		Flaming droplets (d0, d1 , d2) EN 50399		
D	EN 60332-1-2 Flame propagation			<p style="text-align: center;">System 3</p> initial type testing by 3rd party notified testing laboratory; FPC by manufacturer
E	EN 60332-1-2 Flame propagation			
F			<p style="text-align: center;">System 4</p> initial type testing and FPC by manufacturer	

### Testing Requirements

Class	EN ISO 1716	EN 50399 (20,5 KW flam source for B2ca, Cca, Dca; 30KW for B1ca)							EN 61034-2	EN 50267-2-3	EN 60332-1-2
	PCS (MJ/kg)	THR1200S (MJ)	Peak HRR (KW)	FIGRA (W/s)	FS (m)	TSP1200 S (m <sup>2</sup> )	Peak SPR (m <sup>2</sup> /s)	Flaming droplets /particles	Transmittance	Conductivity and pH (us/mm)	H
Aca	<=2.0	/	/	/	/	/	/	/	/	/	/
B1ca	/	<=10	<=20	<=120	<=1.75	/	/	/	/	/	<425 mm
B2ca	/	<=15	<=30	<=150	<=1.5	/	/	/	/	/	<425 mm
Cca	/	<=30	<=60	<=300	<=2	/	/	/	/	/	<425 mm
Dca	/	<=70	<=400	<=1300	/	/	/	/	/	/	<425 mm
Eca	/	/	/	/	/	/	/	/	/	/	<425 mm
Fca	NPD										
s1						<=50	<=0.25				
s1a						<=50	<=0.25		>=80%		
s1b						<=50	<=0.25		>=60%<80%		
s2						<=400	<=1.5				
s3	Products for which no performance is declared or which do not comply with the s1 and s2 criteria.										
d0								no droplets occur within 1200 s			
d1								longer than 10 s occur within 1200 s			
d2	Products for which no performance is declared or which do not comply with the d0 and d1 criteria.										
a1										<2.5; pH>4.3	
a2										<10; pH>4.3	
a3	Products for which no performance is declared or which do not comply with the a1 and a2 criteria.										