

How the Construction Products Regulation for cables is benefiting fire safety

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European
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covering full
range of energy
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620
factories in
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80.000
employees

€ 70 BN
turnover

The Voice of Europe's Leading Wire & Cable Manufacturers

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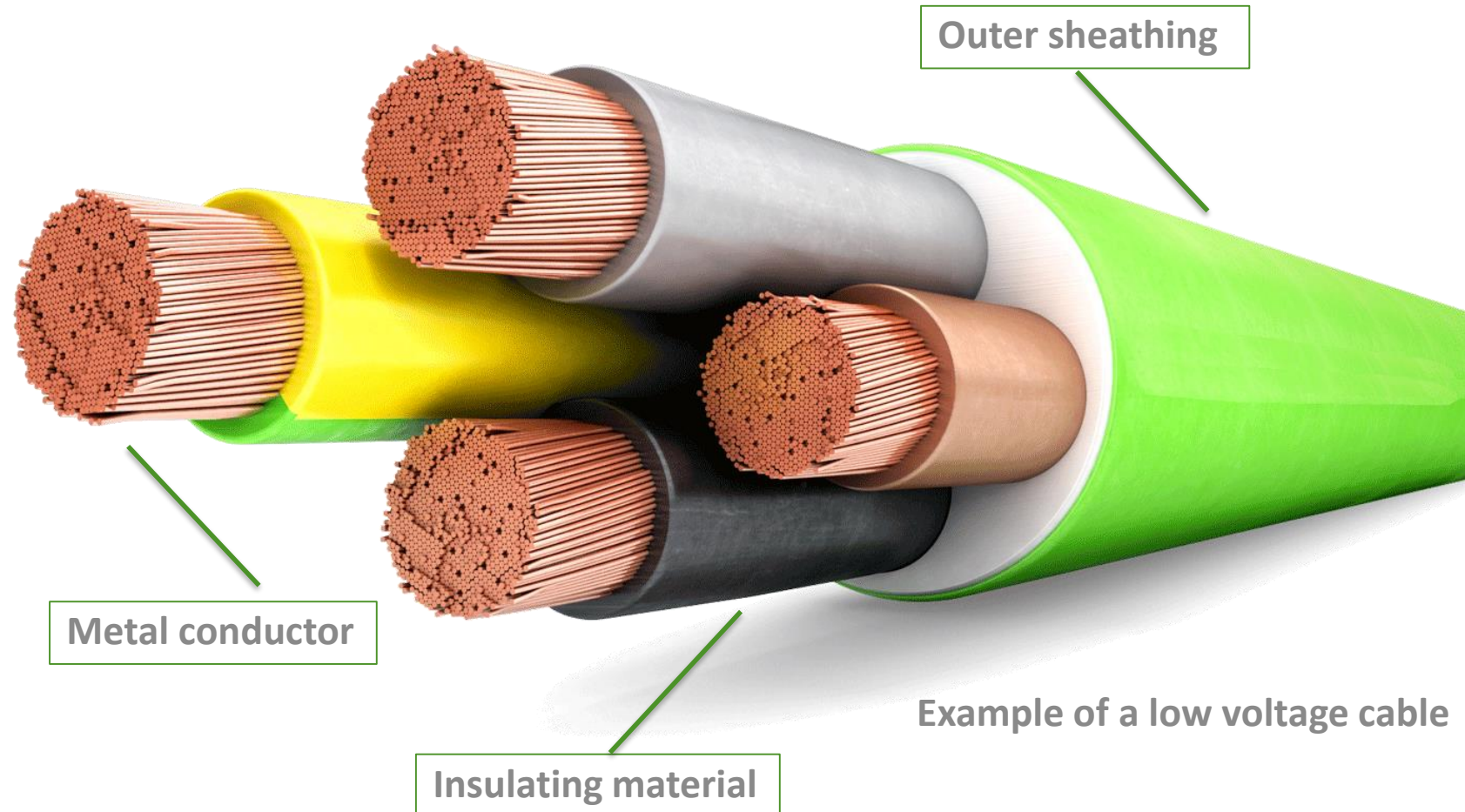
Associated Industry Partners



What is a Cable?

- ❏ Cables are designed to convey electricity and/or data
- ❏ They usually consist of:
 - ❏ Metal conductor
 - ❏ Insulating material
 - ❏ Outer sheathing

➤ *The more electrified & digitized our world will become, the more cables we will need*



CPR for Cables: Why Stringent Rules are Relevant



Cables are everywhere!

- Due to the high volume of cables in buildings, stringent fire safety requirements are key to reduce cable ignition and/or fire propagation through cables as well as additional hazards for people

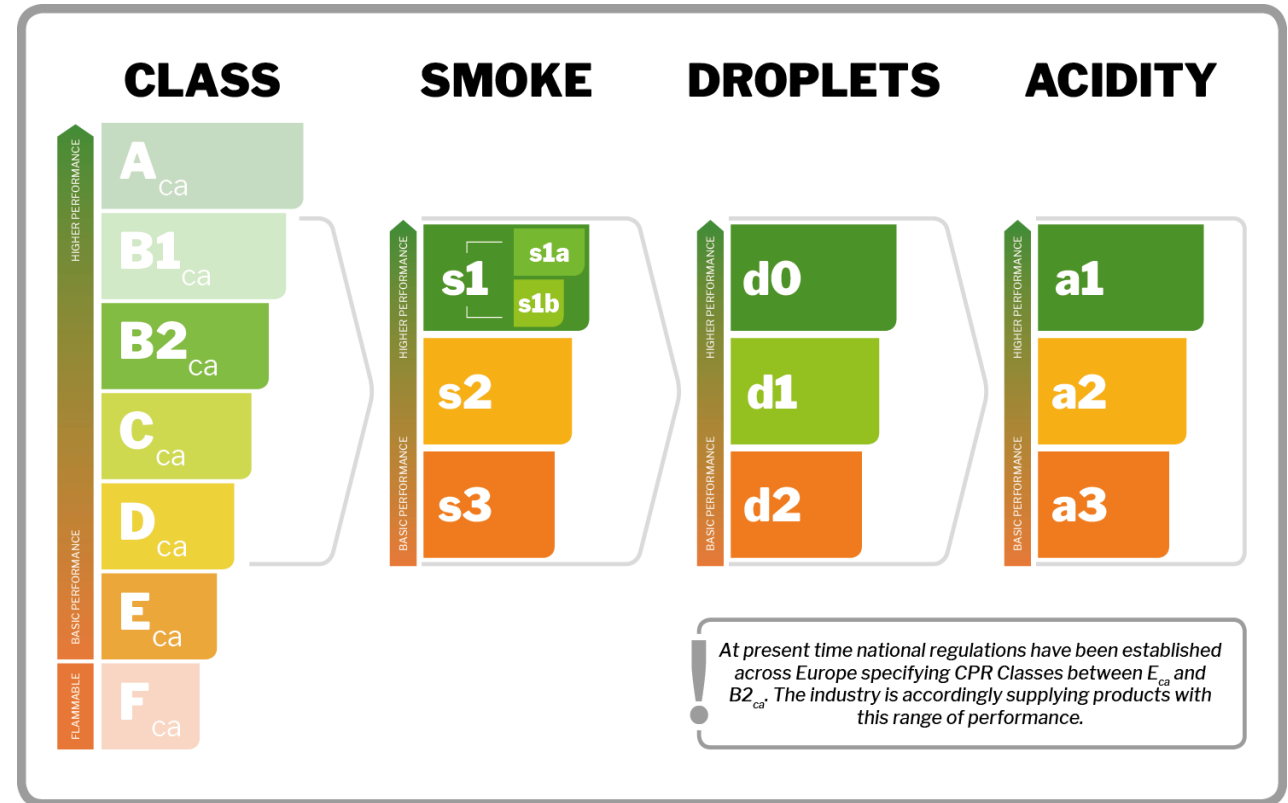


Cables are key for fire safety!

- In case of fire, power supply and communication must be available to enable fire safety systems to operate properly

CPR for Cables: Uniform Classification Criteria for Fire-Reaction

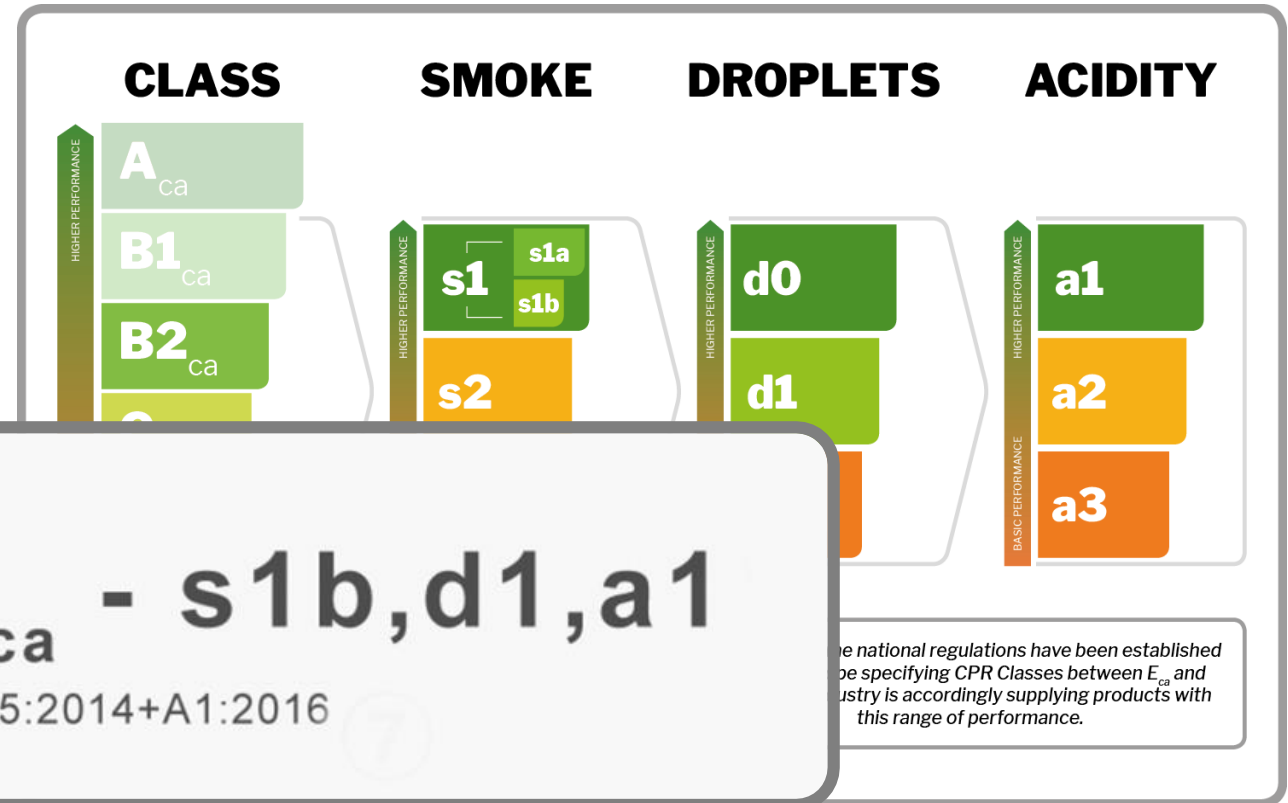
- Cables within CPR scope since July 1st, 2017
- CPR identifies **uniform classification criteria for cables**
- Reaction-to-Fire Cable performance analysed in terms of:
 - Heat Release
 - Flame Propagation
 - Smoke Production
 - Flaming Droplets
 - Acidity of Emissions
- National Authorities regulate fire performance for cables for different applications



➤ *A common language across Europe for a common objective: fire safety!*

CPR for Cables: Uniform Classification Criteria for Fire-Reaction

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- CPR identifies **uniform classification criteria for cables**
- Reaction-to-Fire Cable performance analysed in terms of:
 - Heat Release
 - Flame Propagation
 - Smoke Production
 - Flaming Droplets
 - Acidity of Distillate
- National Authorities responsible for cables for distribution



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CPR for Cables: Common & Severe Test Methods for Fire-Reaction

- The CPR identifies **common and severe test methods** for cable performance

Proper test implementation is key!

- The European cable industry cooperates with Notified Bodies to maintain and improve testing methods on fire-reaction
- Cooperation results:
 - Support Group 22 (Notified Bodies) issued new Guidance Document on EN 50399 in October 2019 ✓
 - Modifications to be soon reflected in revision of testing method EN 50399

	GROWING SEVERITY					
AVPC	SYSTEM 4	SYSTEM 3		SYSTEM 1+		
Class	F _{ca}	E _{ca}	D _{ca}	C _{ca}	B2 _{ca}	B1 _{ca} A _{ca}
Manufacturer	Internal Test	-		-		
3 rd Party Laboratory	-	Type Test		-		
3 rd Party Certification Body	-	-		Type test Regular plant auditing Continuous audit-testing of samples from production		



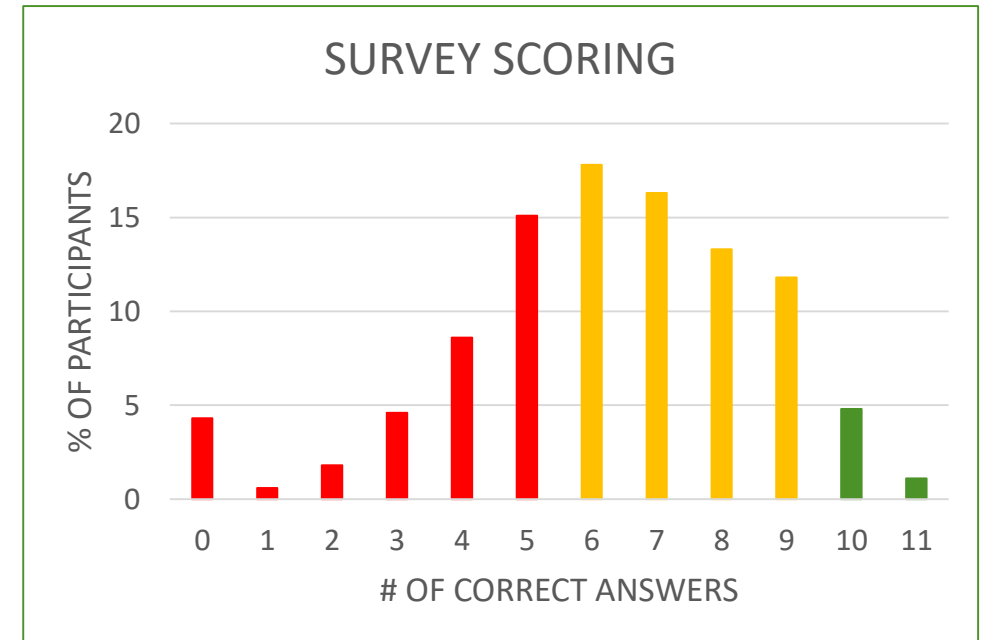
➤ *Cooperation between industry and notified bodies is vital to promote fire safety*

CPR for Cables: Fire Safety is Your Responsibility Too!

- CPR identifies **clear obligations** for manufacturers, importers, distributors
- **However, fire safety is not ONLY our responsibility!**
- All parties in the cable supply chain, including wholesalers, specifiers and installers have precise legal responsibilities for safety in case of fire, starting with compliance with the CPR

Survey

- Survey to measure CPR knowledge in electrical industry
- In April 2019 around 2,000 professionals from 6 EU Countries (FR, DE, IT, ES, SE & UK)
- Results: **95% of respondents have poor knowledge of CPR**



➤ *All parties need to be aware of their responsibilities*

CPR for Cables: Educating the Stakeholders

Europacable Awareness Campaign

- Duration: 12 months (launched in May 2019)
- Target groups: **specifiers, installers, end-users**
- Tools:
 - dedicated website covering 13 EU countries + Norway;
 - training programme;
 - webinars and country-specific materials
- Objective: **Make all professionals aware of their responsibilities and benefits deriving from CPR**



MYCPRCOACH
[LIVE WEBINAR]

Fire Safety is a SHARED responsibility!

Fundamentos de la CPR

Los 5 aspectos fundamentales del Reglamento de Productos de La Construcción

4 steps to test CPR compliance

Step-by-step guide to understanding the required markings.

My CPR Coach - Download the checklist and subscribe to our training program.

Thank you! We have sent you an email!

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