



SIEMON™

CPR REGULATIONS

CLARIFICATION ON THE FACTS SURROUNDING CPR REQUIREMENTS AND HOW TO AVOID THE RISK OF NON-COMPLIANCE



WHEN?



The European Union's (EU) Construction Product Directive (CPD) also known as the Construction Product Regulation (CPR) is now applicable as law in all EU Member States under EU regulation 305/2011. Cables shall be required to be compliant from the 1st of July 2017.



WHAT?



Under the CPR, existing IEC 60332 flammability ratings will be replaced by different reaction to fire performance known as Euroclasses



There are seven Euroclasses - A, B1, B2, C, D, E, and F whereby A is the most flame retardant and F is the least.

	Euroclass (ca)	Classification Criteria	Additional Criteria	Attestation of conformity system
"Non combustible" (e.g. unsheathed mineral insulated)	A	EN ISO 1716 Gross heat of combustion		System 1+ initial type-testing and continuous surveillance with audit testing of samples by 3rd party certification body-factory production control (FPC) by manufacturer
"Low-Fire -Hazard" Cables (various levels)	B1	EN 50399 Heat release Flame spread	Smoke production (s1a, s1b, s2, s3) EN50399/EN61034-2 Acidity (a1, a2, a3) EN 50267-2-3 Flaming droplets (d0, d1, d2)EN 50399	System 3 initial type-testing by 3rd party lab-FPC by manufacturer
	B2			
	C			
Standard Cables	D	EN 60332-1-2 Flame propagation		
	E	EN 60332-1-2 Flame propagation		
No Performance Determined	F	No Performance Specified		System 4 initial type-testing and FPC by manufacturer



WARNING!



Pay careful attention to manufacturers compliance statements, ensuring they are **NOT** based on **OUT OF DATE** technical standard documents or technical reports that have been superseded and will not comply on the 1st July

Certified 3rd party test labs known as Notified Bodies were not established until July 2016. Therefore, Siemon advises that all customers ensure that they request and receive current, valid third party certifications and relevant **Declaration of Performance documentation (DoP)** after this date which is fully compliant to the latest published standards.

OUT OF DATE/OUT OF DATE/OUT OF DATE



WHERE?



All EU member states must comply with the new standard. EN country Country members, depending on the risk and type of the building are identifying level of risk based on type and usage of the building. Each country, local client and end user will specify their local Euroclass requirements.

Siemon have put together a sample of EU countries and the expected or currently known requirements of the standards in the graph below.

	Low	Medium	High	Very High
United Kingdom	E _{ca}	>E _{ca}	>E _{ca}	>E _{ca}
Germany	E _{ca}		C _{ca} s1 d2 a1	B2 _{ca} s1 d1 a1
Netherlands	E _{ca}	D _{ca} s3 d2 a3	C _{ca} s1 d1 a1	B2 _{ca} s1 d1 a1
Italy	E _{ca}	D _{ca} s3 d2 a3	C _{ca} s1 d1 a1	B2 _{ca} s1 d1 a1
Spain	E _{ca}		C _{ca} s1b d1 a1	
France		D _{ca} s2 d2 a2	C _{ca} s1 d1 a1	B2 _{ca} s1a d1 a1
Belgium	E _{ca}		C _{ca} s1 d2 a1	
Sweden/Norway	E _{ca}	D _{ca} s2 d2 a3	C _{ca} s1 d2 a3	
Finland	E _{ca}	D _{ca} s2 d2 a2	C _{ca} s1 d2 a2	

*This chart is based off the risk of fire.

For example, a small one story building with few occupants could be deemed low **risk**. In contrast to a hospital or high rise building with large amounts of occupants could be considered very high **risk**.



WHO?



Each Country, State or even region will have their own interpretation of the Euro Classes for their own specific requirements but they all will have to specify which EuroClass requirement they need based on country, building type, usage and client requirements.

Product Package Labelling

P/N: **9C6L4-A5**
 CBL,CPR,CAT6A,A5,4-PR,SLD,UTP
 LSOH-1,VLTR,RL,305M,23AWG
 17123 - M - 00

QTY: 1

CE
 2652
 THE SIEMON COMPANY
 17
 18-01
 EN 50755:2014
 9C6L4-A5

Scan for CPR DoP

cable for general applications in construction works subject to reaction to fire requirements
 Reaction to fire Eca
 Dangerous substances: none

ID Number of the certification body.
 Last 2 digits of the year in which the marking was first affixed.
 DoP Number. For more information visit - www.Siemon.com/CPR
 Siemon part number.
 Scan QR code for link to product DoP.
 Euroclass rating including smoke, flame droplets and acid when applicable.

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Siemon's Commitment

Many of Siemon cables have already been 3rd party tested and are already complying to Euroclasses E, D, C and B2 requirements. Our customers can be rest assured that Siemon will offer copper and fibre cables to meet a wide range of application and EU member state requirements. Please check www.siemon.com/cpr for updates as more cable types and Euroclass compliance are achieved.

CONNECTING THE WORLD TO A HIGHER STANDARD

WWW.SIEMON.COM/CPR