



Information Regarding the Upcoming Construction Products Regulation (CPR)

What is the CPR?

To quote the European Commission, “the Construction Products Regulation (CPR) lays down harmonized rules for the marketing of construction products in the EU”. These new regulations replace the current low smoke zero halogen (LSZH) standards, and will go into effect beginning 1 July 2017.

What are the new standard classifications?

The CPR standardizes the flammability ratings of copper and fibre cables across Europe by rating the reaction to fire performance into EuroClasses.

	EuroClass	What does it mean?	Continuous auditing?
Low Fire Hazard Cables	B2ca	Heat release and flame spread, flame propagation	Yes
	Cca	Heat release and flame spread, flame propagation	Yes
	Dca	Heat release and flame spread, flame propagation	No
Standard Cables	Eca	Flame propagation	No

What about the additional criteria?

There are three areas of additional criteria tested under the CPR: smoke production, acidity, and flaming droplets (see below for details).

The additional criteria are only applicable to EuroClass B2ca, Cca and Dca.

Smoke Production	
Amount of smoke and smoke density	
s1	TSP ≤ 50 m ² and max. SPR ≤ 0.25 m ² /s
s1a	s1 and transmission value per EN 61034-2 ≥ 80%
s1b	s1 and transmission value per EN 61034 ≥ 60% < 80%
s2	TSP ≤ 400 m ² and max. SPR ≤ 1.5 m ² /s
s3	Neither s1 nor s2

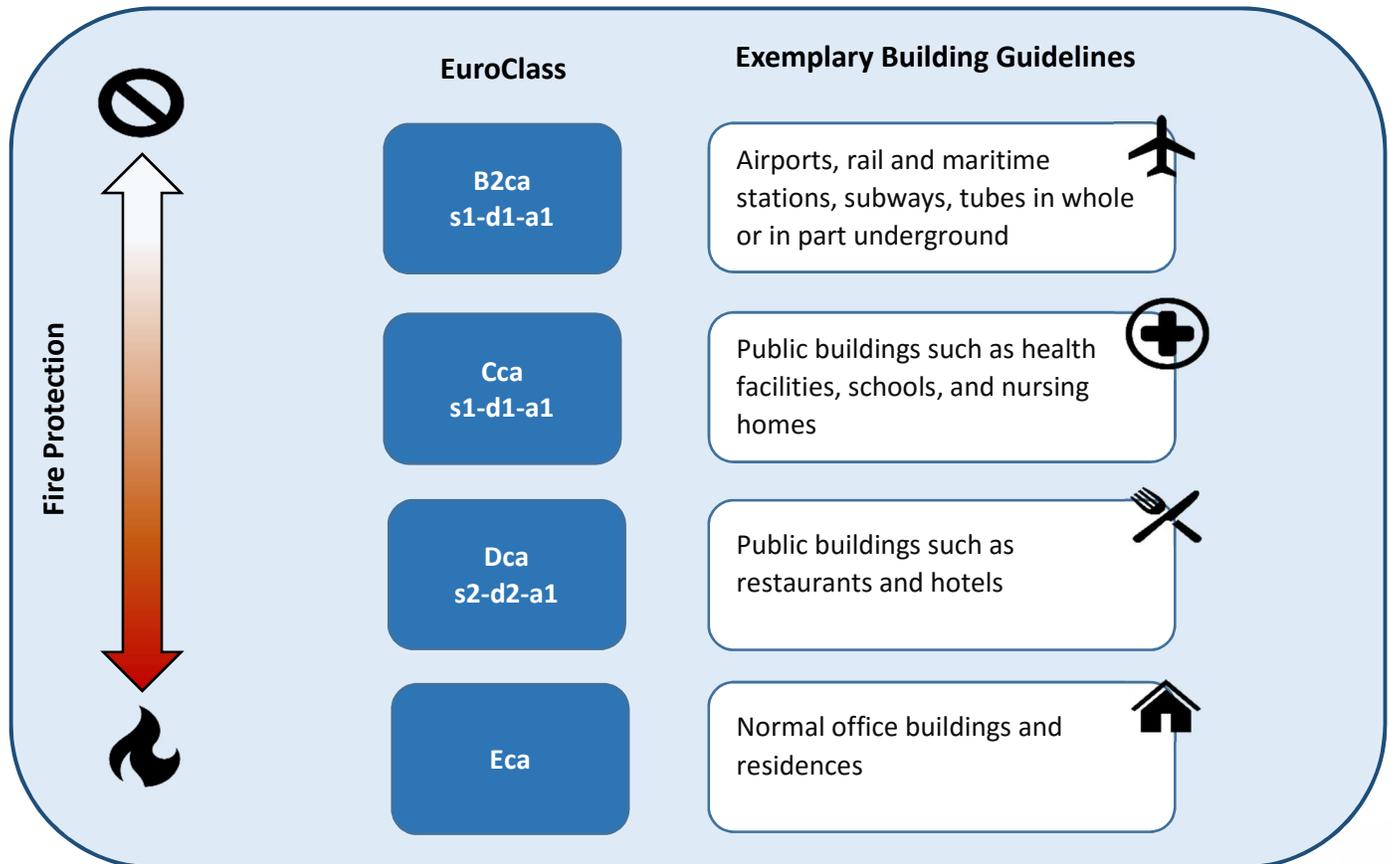
Flaming Droplets	
Droplets produced by burning cable	
d0	No flaming droplets/particles
d1	No flaming droplets/particles for longer than 10s
d2	Neither d0 nor d1

Acidity	
Level of acidity of smoke produced	
a1	Electrical conductivity < 2.5 μS/mm and pH value > 4.3
a1	Electrical conductivity < 10 μS/mm and pH value > 4.3
a3	Neither a1 nor a2. No data = no performance determined



Building Type

The CPR guidelines include specifications for the type of building locations that are appropriate for each EuroClass. Please note that it is the sole responsibility of the local authorities for each EU member country to define which EuroClass is required in a specific location within a building structure. The following is simply an example of how the EuroClasses may be used. The final specification shall be determined by the specific country and where the cable is being installed.



Can I substitute a higher-level cable?

Yes! The CPR EuroClasses can be substituted. This means that if a project requires EuroClass Dca cable, you can substitute B2ca or Cca cable directly. The same is true with the Additional Criteria. For example, a cable with an s1-d1-a1 rating can be used in place of an s2-d2-a2 requirement.

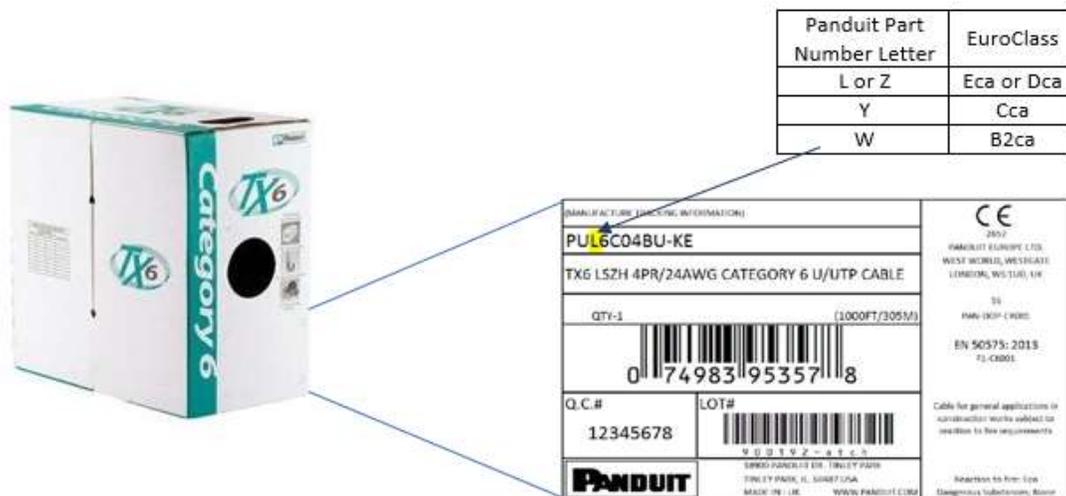
Which Panduit products will be affected?

Panduit's copper and fibre cable products are subject to the CPR because they are permanently installed in the building structure. Patch cords are **not** included in the scope of the CPR as they are not considered to be a permanent part of the structure. In addition, connectivity is **not** currently included in the scope of the CPR.



How will I know if a product is compliant?

- Look for the CE mark: all product manufactured on or after July 1, 2017 must have a CE mark on the package label to be compliant with the CPR
- Confirm with the Declaration of Performance (DoP): Panduit has DoPs available on Panduit.com
- **NOTE: Panduit is adding the EuroClass to the print legend on the cable jacket as well, making identification easier for our customers**



EuroClass	Panduit Compliance Rating (or better) for Additional Criteria		
	Smoke Production	Flaming Droplets	Acid Production
B2ca	s1	d1	a1
Cca	s1	d1	a1
Dca	s2	d2	a1
Eca	Additional criteria does not apply to Eca		

IMPORTANT NOTE

All copper cables in our European product portfolio have been classified by third-party Notified Bodies. Declarations of Performance (DoP) are continually being placed on the Panduit website in (6) different languages, and CE marks are being applied to cable packaging. All existing cable types have been designated EuroClass Eca or Dca.



Below is a condensed list of our copper cable offerings. This list will be updated regularly as Panduit releases new EuroClass cables into the market. Please refer to Panduit.com or Panduit customer service for questions on cable's EuroClass rating that are not shown here.

Regarding our pre-terminated copper QuickNet™ cable assemblies, these contain connectivity, and so are outside the scope of the CPR. Since copper horizontal cable is a component of our copper QuickNet™ assemblies, the cable component of the QuickNet™ assembly will have the EuroClass specified on the print legend, but the QuickNet™ packaging will not carry a CE mark.

Panduit Family	Category	Construction Type	Part Number	EuroClass
PanNet	Cat 5e	U/UTP	PUL5504**-EY	Dca-s2-d2-a1
	Cat 6	U/UTP	PUL6C04**-KE	Eca
			PUL6C04**-CE	Dca-s2-d2-a1
			PUY6C04**-CE	Cca-s1-d1-a1
			PUL6004**-FE	Dca-s2-d2-a1
		F/UTP	PFZ6C04**-CED	Dca-s2-d2-a1
		S/FTP	PSY6C04**-CED	Cca-s1-d1-a1
	Cat 6A	U/UTP	PUL6AM04**-CEG	Dca-s2-d2-a1
			PUL6ASD04**-CED	Dca-s2-d2-a1
		F/UTP	PFZ6X04**-CEG	Dca-s2-d2-a1
		U/FTP	PUFZ6X04**-KD	Dca-s2-d1-a1
			PUFY6X04**-KED	Cca-s1-d1-a1
	F/FTP	PFFY6X04**-KED	Cca-s1-d1-a1	
	Cat 7	S/FTP	PSW7004**-KED	B2ca-s1-d1-a1
Cat 7A	S/FTP	PSW7A04**-KED	B2ca-s1-d1-a1	
NetKey	Cat 5e	U/UTP	NUL5C04**-CE	Eca
	Cat 6	U/UTP	NUL6C04**-KE	Eca
			NUZ6C04**-CE	Dca-s2-d2-a1
			NUY6C04**-CE	Cca-s1-d1-a1
	Cat 6A	U/UTP	NUL6X04**-CEG	Dca-s2-d2-a1

Fibre cable will also be compliant and have the appropriate CE marking on the reel labels. Part numbers for EuroClass-compliant cable will incorporate their level of compliance in a new part number and description. Below is a sample of current fibre cable part numbers and their new EuroClass. More part numbers, as well as their associated DoP numbers, are being added regularly so that all current fibre part numbers will be compliant by the deadline.

Current Part Number	EuroClass Part Number	Construction Type	EuroClass
FPKL***	FAKC***-40	I/O Tight Buffered LSZH	Eca
FQKL***	FAKC***-40	I/O Tight Buffered LSZH	Eca
FPCL***	FACC***-40	I/O Central Tube	Eca
FQCL***	FACC***-40	I/O Central Tube	Eca
FPNL***	FANC***-40	I/O Stranded	Eca
FQNL***	FANC***-40	I/O Stranded	Eca

DISCLAIMER: The information contained herein is for informational purposes only and should not be used as a sole source guide for complying with applicable regulations. Please consult the applicable regulatory body, an attorney or other expert consultant to ensure your compliance with applicable regulations