



PROTECTING PEOPLE IS NOT AN OPTION,
IT IS OUR RESPONSIBILITY

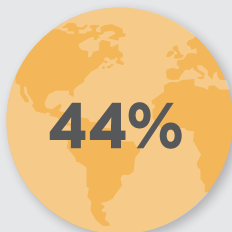
Televes®

FIRE PROTECTION

Fire causes thousands of deaths all over the world



4000 people death each year due to fire (data from "Bulletin of Fire Statistics, Geneva Association).



44% of the deaths are due to toxic gas or smokes.



90% of fires are in buildings (Report N° 10 of Centre of Fire Statistics of CTIF, World Fire Statistics 2006). Besides this, people spend 90% of their time inside their houses, at offices or in public buildings, etc.

WHAT IS CPR?



The Construction Products Regulation (CPR) lays down harmonized rules for the marketing of construction products in the EU. This regulation provides a common technical language to assess the performance of construction products, including cabling for fixed installations. In this way, it ensures that reliable information, “common technical language” is available to professionals, public authorities and consumers, so that they can compare the performance of products from different manufacturers in different countries.

The CPR has different requirements against which products may be assessed. One of these requirements is applied to wire and cable that address safety in the case of fire. Reaction to fire performance, according to the product standard EN50575:2014+A:2016 included:

- Reaction to fire.
- Resistance to fire.
- Release of dangerous substances in normal operation, dismantling and recycling.

WHEN DOES CPR START?

CPR started in June 2016 but they have given a transition period to comply with the regulation a deadline of July 2017. That means, after 1st July 2017 all cables in permanent installations in any European building or civil engineering works, offered for sale must be CE marked and need to have a Declaration of Performance (DoP).



WHO DOES CPR AFFECT?

CPR affects distributors, integrators, manufacturers, end users, architects, contractors, engineers or anyone involved in European buildings and the materials used in their construction, all of them must comply with CPR requirements.

HOW DOES CPR AFFECT MANUFACTURERS AND DISTRIBUTORS?

CPR affects manufacturers because they are the people that place the product in the European market and therefore must:

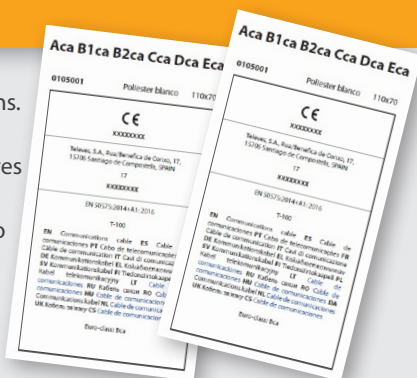
- Declare the performance of their products drawing up his DoP (Declaration of Performance) and assumes the responsibility for the conformity of the construction product with the declared performance.
- Implement a certification system (AVCP), continuous surveillance of the products.
- Establish and keep, 10 years supporting technical documentation.
- Affix the CE marking, only the CE logo is not enough, also detailed accompanying information relating to the manufacturer, the product and the AVCP system.

CPR also affects distributors and importers because they sell the products into the European market, they must check that all the products have the CE marking, the DoP and all associated information.

WHAT WILL TELEVÉS DO WITH THEIR CABLES?

Televés is ready to comply with the European regulations. For us safety is paramount and protecting people is not an option it is our responsibility as manufacturers. Televés will comply with the CPR requirements and will have cables available from class B2ca to F. This will allow us to comply with the requirements of all European markets and also satisfy the demands in any other country.

Televés will mark the cable with the corresponding Euroclass and CE mark. This information will be displayed on the outer sheath, on the box and also on the label.



DATA CABLE CLASSIFICATION

EUROCLASS Cca

CAT-7 S/FTP	CAT-6A U/FTP
Ref. 219101: Ø 7.4mm LSFH White 305m	Ref. 219301: Ø 6.9mm LSFH White 305m

EUROCLASS Dca

CAT-6 U/UTP	CAT-6 F/UTP
Ref. 2123: Ø 6.2mm LSFH Violet 305m	Ref. 212101: Ø 7.2mm LSFH Violet 500m
Ref. 212302: Ø 6.2mm LSFH Violet 1000m	

EUROCLASS Eca

CAT-5E U/UTP	CAT-5E F/UTP
Ref. 219602: Ø 5.5mm LSFH Grey 305m	Ref. 219502: Ø 6.3mm LSFH Grey 305
CAT-6 U/UTP	
Ref. 212310: Ø 6.0 mm LSFH Violet 305m	
Ref. 2199: Ø 6.2mm PVC White 305m	

EUROCLASS Fca

CAT-5E U/UTP	CAT-6 U/UTP
Ref. 219701: Ø 5.5mm PE Black 305m	Ref. 212201: Ø 6.2mm PE White 305m
	Ref. 219901: Ø 6.2mm PVC White 305m
	Ref. 219910: Ø 6.2mm LSFH Violet 305m

F.O. CABLE CLASSIFICATION

EUROCLASS Dca

2 FIBER CABLES (ITU-TG657A2)

Ref. 231901: Ø 900µm Indoor LSFH orange, 300m

Ref. 231902: Ø 900µm Interior LSFH orange, 750m

Ref. 232001: Ø 900µm Outdoor LSFH black, 200m

Ref. 232002: Ø 900µm Outdoor LSFH black, 500m

EUROCLASS Fca

4 FIBER CABLES (ITU-TG657A2)

Ref. 231911: Ø 250µm Indoor LSFH orange, 300m

24 FIBER CABLES (ITU-TG657A2)

Ref. 231612: Ø 250µm Indoor LSFH orange, by meter

Ref. 231603: Ø 900µm Indoor LSFH orange, by meter

12 FIBER CABLES (ITU-TG657A2)

Ref. 231802: Ø 900µm Indoor LSFH orange, by meter

48 FIBER CABLES (ITU-TG657A2)

Ref. 231712: Ø 250µm Indoor LSFH orange, by meter

Ref. 231702: Ø 900µm Indoor LSFH orange, by meter

COAXIAL CABLE CLASSIFICATION

EUROCLASS B2ca: LSFH outer sheath

SK2020plus UV Resistant EN 50117-2-4 Class A++ Triple Shielded 18AtC Ø 1.05/4.6/6.9mm

Ref. 413910 / Ref. 413911 / Ref. 413912: 100m / 250m / 500m, White

EUROCLASS Cca: LSFH outer sheath

SK2015plus UV Resistant EN 50117-2-4 Class A++ Triple Shielded 18AtC Ø 1.05/4.6/6.9mm

Ref. 414901 / Ref. 414902: 100m / 250m, White

EUROCLASS Dca: LSFH outer sheath

CXT EN 50117-2-4 Class A 19VAtC Ø 1.00/4.5/6.5mm

Ref. 212811: 250m, Grey

T-200plus EN 50117-2-4 Class A 15VRtC Ø 1.20/5.0/6.9mm

Ref. 213002: 250m, Grey

T-100plus LSFH EN 50117-2-4 Class A 16VRtC Ø 1.13/4.8/6.6mm

Ref. 215101: 100m, Grey

SK2003plus UV Resistant EN 50117-2-5 Class A+ Triple Shielded 18AtC Ø 1.02/4.6/6.70mm

Ref. 414002 / Ref. 414003 / Ref. 414004: 100m / 250m / 500m, Black

COAXIAL CABLE CLASSIFICATION

EUROCLASS Eca: PVC Outer sheat

CXT-50 EN 50117-2-1 Class A 23VAtC.A Ø 0.8/3.8/6.0mm

Ref. 210102: 250m, White

CXT-60 EN 50117-2-1 Class A 19VAtC.A Ø 1.00/4.7/6.9mm

Ref. 210202: 250m, White

CXT-5 EN 50117-2-4 Class A 24VAtC Ø 0.8/3.5/5.0mm (Plastified Coil)

Ref. 210601: 150m, White

CXT-5 EN 50117-2-4 24VAtC Ø 0.8/3.5/5.0mm

Ref. 210603: 100m, White

SKY CXT-5 EN 50117-2-4 24VAtC Ø 0.8/3.5/5.0mm

Ref. 211602: 200m, White

T-100 EN 50117-2-4 Class A 16VAtC Ø 1.13/4.8/6.6mm

Ref. 2126 / Ref. 212601 / Ref. 212602 / Ref. 212604: 100m White / 250m W. / 250m Black / 250m White

CXT-1 EN 50117-2-4 17VAtC.A Ø 1.00/4.7/6.7mm

Ref. 2127 / Ref. 212701 / Ref. 212702 / Ref. 212703 / Ref. 212704: 100m White/ 100m Black/ 250m Black / 250m White / 500m White

CXT EN 50117-2-4 Class A 19VAtC Ø 1.00/4.5/6.5mm

Ref. 2128 / Ref. 212801: 100m / 250m, White

CXT EN 50117-2-4 18VRtC Ø 1.00/4.8/6.6mm

Ref. 2138 / Ref. 213802: 100m / 250m, White

CXT EN 50117-2-4 18VRtC Ø 1.00/4.8/6.6mm

Ref. 2139: 100m, Black

T-100plus EN 50117-2-4 Ø 1.13/4.8/6.6mm

Ref. 2141: 100m, White

T-100plus EN 50117-2-4 Class A 16VRtC Ø 1.13/4.8/6.6mm

Ref. 214102 / Ref. 214104 / Ref. 214108: 100m White / 250m White / 100m Black

SK125plus EN 50117-2-4 Class A+ Triple Shielded 18AtC Ø 1.02/4.6/6.7mm

Ref. 413501 / Ref. 413502 / Ref. 413503: 100m / 250m / 500m, White

COAXIAL CABLE CLASSIFICATION

SK100plus EN 50117-2-4 Class A+ Triple Shielded 18VAtC Ø 1.02/4.6/6.70mm

Ref. 413601 / Ref. 413602 / Ref. 413603: 100m / 250m / 500m, White

SK110plus EN 50117-2-4 Class A+ Triple Shielded 18VAtC Ø 1.02/4.6/6.70mm

Ref. 413707 / Ref. 413708: 250m Black / 250m White

SK2000plus EN 50117-2-4 Class A++ Triple Shielded 18VAtC Ø 1.02/4.6/6.70mm

Ref. 4138 / Ref. 413801 / Ref. 413802: 100m / 500m / 250m, White

SK2000/2plus EN 50117-2-4 Class A Triple Shielded 18VAtC Ø 1.02/4.6/6.70mm

Ref. 4141: 100m, White

SK0729plus EN 50117-2-4 Class A 32VAtC Ø 0.65/2.7/4.2mm

Ref. 4144 / Ref. 414401: 100m / 500m, White

SK0729/2plus EN 50117-2-4 Class A 32VAtC Ø 0.65/2.7/4.2mm

Ref. 4145: 100m, White

SK0837plus EN 50117-2-4 Class A 24VAtC Ø 0.8/3.4/5.0mm

Ref. 4146: 100m, White

SK6Fplus EN 50117-2-4 Class A+ 19VAtC.A Ø 1.0/4.6/6.8mm

Ref. 414801 / Ref. 414802 / Ref. 414803 / Ref. 414804: 100m / 250m / 500m / 3000m, White

EUROCLASS Fca: PE Outer sheat

T-100 EN50117-2-5 Class A 16PAAtC Ø 1.13/4.8/6.6mm

Ref. 212501 / Ref. 212502: 100m / 250m, Black

1/2" EN50117-2-5 7PRtC Class A Ø 2.7/11.5/15.0mm

Ref. 2140: 500m, Black

TR-165 EN50117-2-5 11PRtC Class A Ø 1.63/7.2/10.1mm

Ref. 214901: 250m, Black

T-100plus EN50117-2-5 16PRtC Class A Ø 1.13/4.8/6.6mm

Ref. 215501 / Ref. 215502: 100m / 250m, Black

WHAT DOES EUROCLASSES MEAN?

Euroclasses are a new European classification created to harmonize the standards with regards to cable's performance with fire. This class has 7 levels put in order from high to low reaction to fire performance. Non combustible (Aca), Low Fire Hazard (B1ca, B2ca, Cca and Dca), and Flame propagation (Eca) and (Fca).

	Euroclass Level	Classification Criteria	Additional Criteria	AVCP System (Assessment and Verification of Consistency of Performance)
Non combustible	Aca	EN ISO 17616 Gross heat of combustion		
Low Fire Hazard Cables	B1ca	EN 50399 Heat Release Flame Spread EN 60332-1-2 Flame Propagation	Smoke Production (s1a, s1b, s2, s3) EN 50399/EN61034-2 Acidity (a1, a2, a3) EN 50267-2-3 Flaming Droplets (d0, d1, d2) EN50399	"1+", including: - Initial Type-Testing and continuous surveillance. - Audit and testing of samples By 3 rd Party Certification Body Factory Production Control By manufacturer
	B2ca			
	Cca			
	Dca			"3", including: - Initial Type-Testing By 3 rd Party Laboratory Factory Production Control By Manufacturer
Standard Cables	Eca	EN 60332-1-2 Flame Propagation		
No Performance Determined	Fca	EN 60332-1-2 Flame Propagation		"4" Initial Type-Testing and Factory Production Control By Manufacturer

WHAT IS A DECLARATION OF PERFORMANCE (DOP) AND CE-MARK?



The Declaration of Performance (DoP) is a key part of the Construction Products Regulation (CPR) and it provides information on the performance of a product.

The manufacturer draws up a document for every product covered by the CPR following regulatory guidelines, which:

- identifies the product
- states its intended use
- its essential characteristics as given by its declared performance, “Euroclasses”: Reaction to fire, resistance to fire and release of dangerous substances.

All the information supplied by the manufacturer in the DoP is obtained by strictly applying the methods and criteria provided in the relevant harmonized standard. This helps increase transparency and improves the functioning of the Single Market.

The CE marking indicates that a construction product is in conformity with its declared performance and that it has been assessed according to a harmonized European Standard or European Technical Assessment has been issued for it.

It's important to note that the CE mark does denote quality, this mark means that the product meets standards for health, safety and economy of energy.

Televes® in the world



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