



CONSTRUCTION PRODUCTS REGULATION

The construction products regulation is a set of guidelines issued in the European Union with the aim to regulate the restrictions concerning fire resistance and hazardous substances used in construction materials.

Prysmian
Group

Afumex[®]
In compliance with the CPR
requirements EN50575

 **PRYSMIAN**
 **Draka**

This regulation applies to all construction products which are intended to be permanently used for the construction of buildings and civil engineering works.

With regard to cables, this law applies to all power and installation cables, control cables, telecommunication and data cables.

The purpose of construction products regulation is to ensure that all cables used in the European Union and installed in fixed installations are evaluated, classified and used (i.e. approved) according to the same criteria.



- POWER CABLES
- INSTALLATION CABLES AND WIRES
- CONTROL CABLES
- TELECOMMUNICATION CABLES
- DATA CABLES

CONSTRUCTION PRODUCTS REGULATION

SIX NEW FIRE REACTION CLASSES

FIRE REACTION



HIGHER RESISTANCE

LOWER RESISTANCE

Construction products regulation includes seven new safety classes from A to F, where A represents a non-flammable product and F a product, whose fire reaction properties cannot be determined. According to the new classification, cables usually belong to B, C, D and E class.

There are also additional criteria which determine the requirements of quantity of smoke emitted during combustion, falling droplets created during combustion, acidity of the smoke and electrolytic conductivity.

D = class | ca = cables (wires) | s = smoke | d = drops | a = acidic environment



S
(smoke)



D
(drops)



A
(acidity)

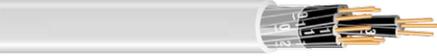
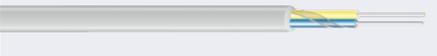
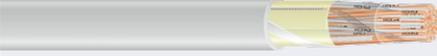
CE D_{ca} -s2, d2, a2

XPJ-HF D 500V 3G1,5

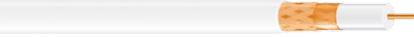
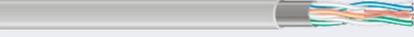
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	Products	CPR class
Installation cables 	XPJ XPJ-HF D AFUX C-Pro AFUX B-safe	Eca Dca s2 d2 a2 Cca s1 d1 a1 B2ca s1 d1 a1
Installation cable 	XPUJ XPUJ-HF D	Eca Dca s2 d2 a2
Rigid installation cable 	EXLQ Pure	Dca s2 d2 a2
Rigid single core wires 	PL/ML/H07V-U H07Z1-U	Eca Eca
Rigid stranded single core wires 	PK/MK/H07V-R MK 90 / H07V2-R FQ Pure / H07Z1-R MK-HF C-Pro / H07Z-R	Eca Eca Dca s2 d2 a2 Cca s1 d1 a1
Flexible stranded single core wires 	H07V-K MKEM 90 / H07V2-K MKEM-HF D / H07Z1-K MKEM-HF C-Pro / H07Z-K	Eca Eca Dca s2 d2 a2 Cca s1 d1 a1
Flexible installation cables 	MSK / H05VV-F MSO/ H03VVH2-F MSOY/ H03VV-F ACEFLEX Pure	Eca Eca Eca Dca s2 d2 a2
Rubber cables 	H05RN-F H07RN-F H07BN4-F	Eca Eca Eca

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	Products	CPR class
Control cable 	MMO MMO-HF C-Pro	Eca Cca s1 d1 a1
Control cable 	MCMD EQFR Pure EQFR-EMC Pure	Eca Dca s2 d2 a2 Dca s2 d2 a2
Control cable 	MKMD FQQR Pure MKMD-HF C-Pro	Eca Dca s2 d2 a2 Cca s1 d1 a1
Control cable 	KLM KLM-HF D	Eca Dca s2 d2 a2
Control cable 	KLMA KLMA-HF D	Eca Dca s2 d2 a2
Control cable 	NOMAK NOMAK-LSZH	Eca Dca s2 d2 a2
Control cable 	JAMAK JAMAK-LSZH	Eca Dca s2 d2 a1
Control cable 	JAMAK-ARM JAMAK-ARM LSZH	Eca Dca s2 d2 a1

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	Products	CPR class
CATV Drop Cable 	Tellu 13 TELLU 13 FRNC-C	Eca Dca s2 d2 a1
Data cable 	UC300 24 C5e U/UTP PVC UC300 24 C5e U/UTP LSHF Dca UC300 S24 C5e F/UTP 4P LSHF Dca	Eca Dca s2 d2 a1 Dca s2 d2 a1
Data cable 	UC400 C6 U/UTP HD PVC UC400 C6 U/UTP HD LSHF Dca UC400 S23 C6 U/FTP 4P Cca	Eca Dca s2 d2 a1 Cca s1 d1 a1
Multimedia and data cable 	UC900 SS23 C7 S/FTP	B2ca s1 d1 a1
1kV AI power cable 	AMCMK AXQJ Pure AXCMK-HF C-PRo	Eca Dca s2 d2 a2 Cca s1 d1 a1
1kV EMC AI power cable 	AXQJ EMC Pure AXCCMK-HF C-PRo	Dca s2 d2 a2 Cca s1 d1 a1
1kV AI power cable 	AXPK AXPK-Plus	Eca Eca

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	Products	CPR class
1kV Cu power cable 	MCMK FXQJ Pure MCMK-HF C-Pro	Eca Dca s2 d2 a2 Cca s1 d1 a1
1kV EMC Cu power cable 	MCCMK MCCMK-HF FXQJ EMC Pure	Eca Dca s2 d2 a2 Dca s2 d2 a2
1kV Cu power cable 	XPK XPK-HF D AFUX C-Pro 1kV AFUX B-safe 1kV	Eca Dca s2 d2 a2 Cca s1 d1 a1 B2ca s1 d1 a1
Medium voltage cable 	AXQJ-TT Pure TSLI 12...36 kV	Dca s2 d2 a1



The PURE symbol indicates the cable is approved to be installed according to the regulations of CPR

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The CE marking on the product shows that the product complies with all the requirements set out in the applicable directives.

By choosing Draka products, you can be sure that you get the cables that comply entirely with the requirements set out in the new construction products regulations.

On the basis of the set requirements and applicable standards applied to the main

performance characteristics, Each Member State may establish a different form and levels of fire safety requirements.

If you want additional information about the application criteria of the construction products regulation in different countries, please contact Draka Keila Cables or its representatives.



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