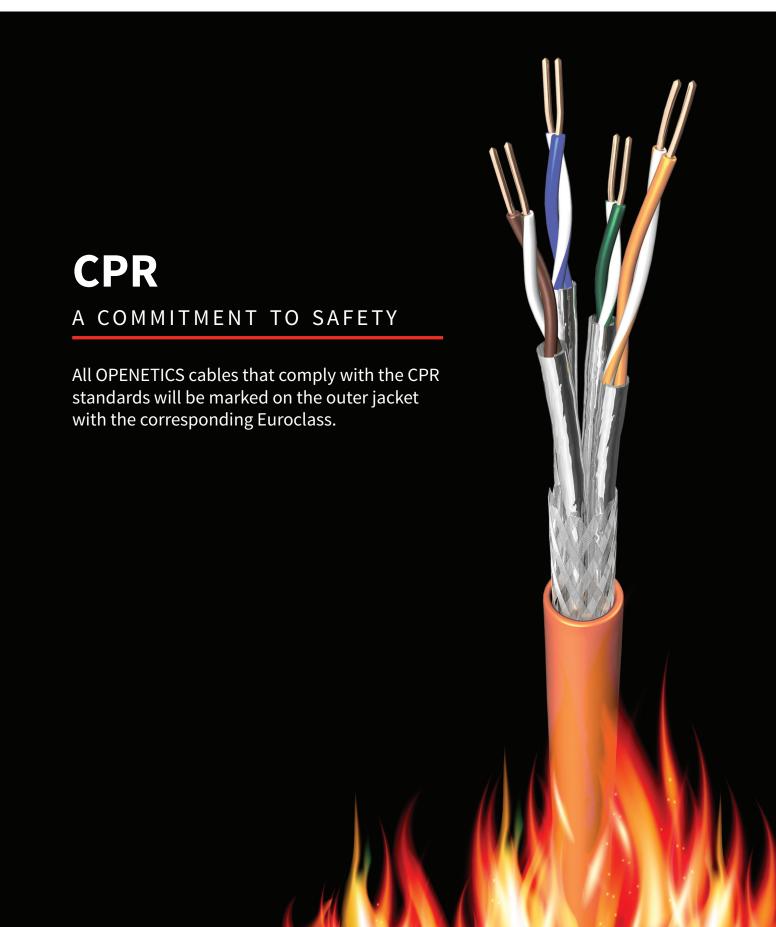
OPENETICS

Specialist Manufacturer Voice - Data - Security



CPR, CLASSIFICATION OF EUROCLASSES

The European Union has created a uniform and classification criterion to define the fire response performance of the cables.

For this purpose, seven Euroclasses have been established, from highest to lowest resistance to fire.



Ca

Fire reaction performance and heat emission

EUROCLASSES

ADDITIONAL CLASSIFICATION

Aca	NO REACTION		
B1ca	VERY LOW REACTION		S (s1/s2/s3) Smoke Production
B2ca Cca	LOW REACTION REDUCED REACTION		D (d0/d1/d2) Fall of droplets and particles during combustion
Dca	IMPROVED REACTION		A (a1/a2/a3) Acidity of smoke
Eca	BASIC REACTION		
Fca	UNDETERMINED	ı	

PERFORMANCE CODE

The designation of the fire reaction characteristics of the cables is based on a code indicating their performance. This code specifies the **Euroclass** and, if applicable, the additional classifications.



S Smoke Opacity

- **s1a** S1 with visibility over 80% (UNE-EN 61034-2)

S1 Little production and slow propagation of smoke

- **s1b** S1 with visibility over 60% and below 80% (UNE-EN 61034-2)
- s2 Intermediate values of production and propagation of smoke
- s3 Neither s1 or s2



Fall of droplets and particles during combustion

- Mo fall of droplets or flamed particles (UNE-EN 50399)
- d1 Fall of droplets and flamed particles that persist for less than 10 seconds(UNE-EN 50399)
- d2 Neither d0 or d1



a Acidity of smoke

- a1 Low acidity (UNE-EN 60754-2 conductivity <2,5ms/mm y pH > 4.3)
- a2 CIntermediate values of acid (UNE-EN 60754-2 conductivity <10 ms/mm y pH > 4.3)
- a3 Neither a1 or a2