

## CPR

### A COMMITMENT TO SAFETY

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All OPENETICS cables that comply with the CPR standards will be marked on the outer jacket with the corresponding Euroclass.



# 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

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

## 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.

<p><b>S</b> <i>Smoke Opacity</i></p> <p><b>S1</b> Little production and slow propagation of smoke</p> <p><b>s1a</b> S1 with visibility over 80% (UNE-EN 61034-2)</p> <p><b>s1b</b> S1 with visibility over 60% and below 80% (UNE-EN 61034-2)</p> <p><b>s2</b> Intermediate values of production and propagation of smoke</p> <p><b>s3</b> Neither s1 or s2</p>	<p><b>d</b> <i>Fall of droplets and particles during combustion</i></p> <p><b>d0</b> No fall of droplets or flamed particles (UNE-EN 50399)</p> <p><b>d1</b> Fall of droplets and flamed particles that persist for less than 10 seconds(UNE-EN 50399)</p> <p><b>d2</b> Neither d0 or d1</p>	<p><b>a</b> <i>Acidity of smoke</i></p> <p><b>a1</b> Low acidity (UNE-EN 60754-2 conductivity &lt;2,5ms/mm y pH &gt; 4.3)</p> <p><b>a2</b> CIntermediate values of acid (UNE-EN 60754-2 conductivity &lt;10 ms/mm y pH &gt; 4.3)</p> <p><b>a3</b> Neither a1 or a2</p>
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