

# Câble anti - feu Energie CR1/C1 - 4x4

Halogen-free 300/500V rigid cables, fire-resistant CR1 C1 SECURE EFECTIS, with copper core, high mechanical resistance elastomer INFIT™ insulation and orange sheath. All ALSECURE PREMIUM cables are manufactured in France.



## DESCRIPTION

### Application

**ALSECURE® PLUS** and **ALSECURE® PREMIUM** cables are designed to be used in safety systems (emergency lights, warning systems, fire fighting equipments, etc ...) in all premises open to the public (concert hall, theaters, cinemas, department stores, hospitals, schools, etc ...), in high-rises buildings, in tunnels, in industries.

**ALSECURE® PLUS** and **ALSECURE® PREMIUM** cables are **fire resistant** and fire retardant, low smoke and **halogen free**. In the event of fire, emitted gazes are non corrosive and have a very low toxicity.

## CHARACTERISTICS

### Construction characteristics

Halogen free	IEC 60754-1
Conductor flexibility	Solid class 1
Conductor material	Bare copper
Insulation	High mechanical resistance elastomer - INFIT™ in accordance to standard NF C 32 102-1
Outer sheath	Polyolefin
Sheath colour	Orange
With Green/Yellow core	Yes
Conductor shape	Circular
Higher heating value	2260 MJ/km
With smaller neutral conductor	No

### Dimensional characteristics

Minimum outer diameter	12.0 mm
Maximum outer diameter	13.1 mm
Approximate weight	335 kg/km
Number of cores	4
Conductor cross-section	4 mm <sup>2</sup>
Neutral conductor section (when smaller)	- mm <sup>2</sup>

### Electrical characteristics

Permissible current rating in open air	42 A
Voltage drop, single phase	- V/A.km
Voltage drop, 3 conductors	8.2 V/A.km
Rated Voltage Uo/U (Um)	300 / 500 V
Max. DC resistance of the conductor at 20°C	4.61 Ohm/km

## Marking



Halogen free  
IEC 60754-1



Conductor flexibility  
Stranded class 2



Rated Voltage Uo/U  
(Um)



Cable flexibility  
Rigid



Fire resistant  
CR1, NF C 32-070



Fire retardant  
C1, NF C 32-070



Smoke density  
IEC 61034



Gases toxicity  
Low