

Câble anti - feu Energie CR1/CI - 3x4

Halogen-free 300/500V rigid cables, fire-resistant CR1 C1 SECURE EFACTIS, 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	1950 MJ/km
With smaller neutral conductor	No
Dimensional characteristics	
Minimum outer diameter	11.0 mm
Maximum outer diameter	12.0 mm
Approximate weight	275 kg/km
Number of cores	3
Conductor cross-section	4 mm ²
Neutral conductor section (when smaller)	- mm ²
Electrical characteristics	
Permissible current rating in open air	49 A
Voltage drop, single phase	9.2 V/A.km
Voltage drop, 3 conductors	- V/A.km
Rated Voltage U ₀ /U (U _m)	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 U₀/U (U_m)
300 / 500 V



Cable flexibility
Rigid



Fire resistant
CR1, NF C 32-070



Fire retardant
C1, NF C 32-070



Smoke density
IEC 61034



Gases toxicity
Low