

# ALSECURE® H07Z1-U Cca / H07Z1-R Cca type

## 2

### ALSECURE® H07Z1-R Cca 1x25 GN/YE TYPE 2

#### Contact

Product Management  
service.nnl@nexans.com

Nexans Ref.: 10538835

EAN 13: 5413404309429

**ALSECURE H07Z1-U Cca Type 2** and **ALSECURE H07Z1-R Cca Type 2** are halogen-free and fire-retardant installation wire for 450 / 750V AC or 1kV DC. H07Z1-U has a solid class 1 core, H07Z1-R has a stranded class 2 core. ALSECURE H07Z1-U/R Cca Type 2 is intended for protected fixed domestic and industrial installations. Installation may be in a tube or in closed gutters embedded in the wall, in the floor or surface mounted.

ALSECURE H07Z1-U/R Cca Type 2 has fire reaction class Cca-s1,d2,a1 according to EN 50575 and may be installed in bundle or side by side and in areas with increased fire risk according to AREI/RGIE. The wire is also suited for areas where AREI/RGIE imposes s1 a1.

## DESCRIPTION

### Application

- Halogenfree insulated conductors for fixed installations
- For domestic and industrial applications as well as for panel wiring

### Design

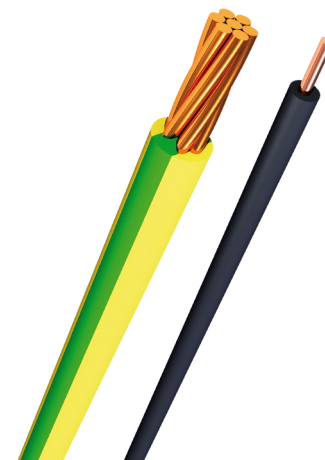
1. Copper core, solid (U) or stranded (R)
2. Halogen free and fire retardant insulating sheath

### Installation

- In industries
- In houses
- Open-air laying : with protection
- Ground laying : with protection

### Note

UV resistance according to EN 50289-4-17 Method A (test duration 720h) establishes ALSECURE H07Z1-R Cca Type 2 is particularly fitted for our Belgian climate. ALSECURE H07Z1-R Cca Type 2 can thus be exposed to direct sunlight. This UV resistance is valid for the ALSECURE H07Z1-R Cca Type 2 accompanied by the Declaration of Performance (DoP) n°1000277-BEDO.



### DECLARATION OF PERFORMANCE

Cca-s1a,d2,a1

### STANDARDS

International EN 50525-3-31



Conductor flexibility  
**Stranded class 2**



Halogen free  
**Yes**



Rated Voltage Uo/U  
(Um)  
**450 / 750 V**



Bending factor  
when laying  
**5 (xD)**



U.V resistance  
**EN 50289-4-17  
method A, for  
720h**



Max. conductor  
temp. in service  
**70 °C**



Operating temp.  
**-5 - 60 °C**



Chemical  
resistance  
**Medium**

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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## CHARACTERISTICS

### Construction characteristics

Conductor material	Copper
Conductor flexibility	Stranded class 2
Conductor shape	Round, stranded
Insulation	Halogen-free
Halogen free	Yes
Wire colour	Green / yellow

### Dimensional characteristics

Conductor cross-section	25 mm <sup>2</sup>
Number of cores	1
Average insulation thickness	1.2 mm
Nominal outer diameter	8.8 mm
Minimum outer diameter	8.1 mm
Maximum outer diameter	9.7 mm
Approximate weight	265 kg/km

### Electrical characteristics

Permissible current rating in open air	101 A
Voltage drop, single phase	1.5 V/A.km
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	450 / 750 V

### Usage characteristics

Bending factor when laying	5 (xD)
Field of application	Indoor, Outdoor
U.V resistance	EN 50289-4-17 method A, for 720h
Max. conductor temperature in service	70 °C
Operating temperature, range	-5 - 60 °C
Resistance to vibrations	Moderate
Chemical resistance	Medium
Packaging	Cut to length
Length	1 m

## MORE ON UV RESISTANCE

[Halogen-free and UV resistant](#)

## SELLING AND DELIVERY INFORMATION

- Other colours available upon request

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The Nexans logo features a stylized red 'N' followed by the word 'Nexans' in a black, sans-serif font.