

# ALSECURE® RZ1-K (AS)

ALSECURE® RZ1-K (AS), 1x70 mm<sup>2</sup>

## Contact

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ALSECURE 1KV

## DESCRIPTION

### Application

RZ1-K Cable NON PROPAGATOR OF FIRE.

Installation in local of difficult ventilation, publics, evacuation itineraries, tunnels...

Almost null toxicity. Provoked gases when burning almost transparent, facilitating evacuation.

### Core colours

- 1 core = Black
- 2 cores = Brown + Light blue
- 3 cores = Brown + Black + Grey or Brown + Light blue + Green-Yellow
- 4 cores = Brown + Black + Grey + Light blue or Green-Yellow
- 5 cores = Brown + Black + Grey + Light blue + Black or Green-Yellow

### Marking

ALSECURE® Nexans RZ1 - K(AS) -0,6/1 KV - N (x or G) S mm<sup>2</sup> - Fab.Year- AENOR

- N = number of cores
- S = section in mm<sup>2</sup>
- G = with Green-Yellow
- x = without Green-Yellow



## STANDARDS

**International** EN 50265-2-1;  
EN 50267-2-2; EN 50268;  
IEC 60332-1;  
IEC 60332-3 Cat.C; IEC 60502;  
IEC 60754-1; IEC 60754-2;  
IEC 61034

**National** UNE 21123



Halogen free  
IEC 60754-1



Lead free  
Yes



Conductor flexibility  
Flexible class 5



Rated Voltage U<sub>o</sub>/U<sub>i</sub>  
(Um)  
0.6/1 kV



Fire retardant  
IEC 60332-3-24



Max. conductor  
temp.in service  
90 °C



Weather resistance  
Good



Smoke density  
IEC 61034

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## CHARACTERISTICS

### Construction characteristics

|                       |                     |
|-----------------------|---------------------|
| Outer sheath          | Polyolefin          |
| Insulation            | Extruded XLPE       |
| Halogen free          | IEC 60754-1         |
| Lead free             | Yes                 |
| Sheath colour         | Green               |
| Conductor flexibility | Flexible class 5    |
| Conductor material    | Electrolytic copper |

### Dimensional characteristics

|                         |                    |
|-------------------------|--------------------|
| Number of cores         | 1                  |
| Conductor cross-section | 70 mm <sup>2</sup> |
| Outer Diameter          | 19 mm              |
| Approximate weight      | 740 kg/km          |

### Electrical characteristics

|                                                   |          |
|---------------------------------------------------|----------|
| Permissible current rating when buried            | 222 A    |
| Permissible current rating in open air            | 268 A    |
| Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> ) | 0.6/1 kV |

### Usage characteristics

|                                       |                            |
|---------------------------------------|----------------------------|
| Fire retardant                        | IEC 60332-3-24             |
| Max. conductor temperature in service | 90 °C                      |
| Weather resistance                    | Good                       |
| Smoke density                         | IEC 61034                  |
| Gases toxicity                        | No toxicity to IEC 60754-1 |
| Gases corrosivity                     | IEC 60754-2                |