



**Nexans Ref.:** 10021815  
**Country Ref.:** 1067195  
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### FIRE PERFORMANCE CLASS



Dca-s2,d2,a2

**International Designation:** NO-N01Z1A5Z1-U

Halogen free fire alarm cable with twisted conductors and parallel earth wire

### STANDARDS

**Test** IEC 60332-1-2; IEC 60754; IEC 61034

**National** NEK 591

### DESCRIPTION

Signal cables for fire alarm installations are essential components for ensuring the safety and security of indoor and outdoor spaces. The IFLI EASY-R 250V is a halogen-free variant of the PFLP 250V, designed to meet the stringent requirements of fire alarm systems. Its suitability for both indoor and outdoor use makes it a versatile choice for various applications.

### TECHNICAL

With a pair capacitance of 100 nF/km, the cable demonstrates excellent signal transmission capabilities, ensuring reliable communication within the fire alarm network. Additionally, the conductor resistance of 24.8 Ohm/km further enhances the efficiency of the cable, enabling it to maintain signal integrity over long distances.

### SUMMARY

In summary, the IFLI EASY-R 250V signal cable is a high-quality, halogen-free solution that offers low pair capacitance and conductor resistance, making it an ideal choice for fire alarm installations in diverse environments.



Conductor flexibility  
Solid



Halogen free  
Yes



Rated Voltage Uo/U (Um)  
250 V



Max.conductor temp.in service  
70 °C



Flame retardant  
IEC 60332-1



Minimum installation temperature  
10 °C

### CHARACTERISTICS

#### Construction characteristics

Conductor shape	Circular
Material of filler / inner sheath	Filler if necessary
Twisted	Yes
With Green/Yellow core	No
Sheath colour	White
Conductor flexibility	Solid
Conductor material	Bare annealed copper stranded
Halogen free	Yes
Insulation	Halogen free compound
Screen	Longitudinal aluminium tape + copper wire
Outer sheath	Halogen free compound

#### Dimensional characteristics

Conductor diameter	1.0 mm
Nominal outer diameter	7.0 mm
Number of cores	2
Screen section	0.8 mm <sup>2</sup>
Conductor cross-section	0.8 mm <sup>2</sup>
Approximate weight	78 kg/km
Approximate weight	7.8 kg/100m

#### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	250 V
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#### Usage characteristics

Length	500 m
Packaging	Drum
Max. conductor temperature in service	70 °C
Fire load	- MJ/km
Flame retardant	IEC 60332-1
Minimum installation temperature	10 °C