

# H07Z1-K (RQ) 450/750 V

H07Z1-K 50 (RQ) 450/750 V

**Nexans Ref.:** 11195998-411-05

**Country Ref.:** 0369765

**EAN 13:** 7330000083608

The cable may first be used for inside couplings in switch cabinet boxes and similar applications.

## DESCRIPTION

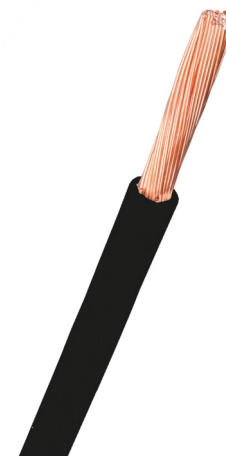
H07Z1-K is a halogen free, HFFR insulated, connecting cable with one circular, multi stranded copper conductor. 300 and 400 mm<sup>2</sup> does not fulfil EN 50525-3-31, and is because of that called S07Z1. The cable is designed according to EN 50525-3-31 in applicable parts. The conductor has resistance according to EN 60228 class 5. The insulation is marked "NEXANS GS Z1 SEMKO AREA mm<sup>2</sup>" or "NEXANS GS SEMKO AREA mm<sup>2</sup> HALOGENFRI". H07Z1-K meets the requirements for CPR Dcas2d2a2. The cable emits no corrosive gases and has low smoke production during fire. This product is also part of our Windlink® offer dedicated to wind turbines.

## Certification

Certified by INTERTEK SEMKO.

## Quality and environmental management system

Certified according to ISO 9001, IRIS, ISO/TS 16949 and ISO 14001.



## DECLARATION OF PERFORMANCE

Dca-s2,d2,a2

## STANDARDS

**International** EN 50525-3-31;  
EN 50268; IEC 60754;  
IEC 61034

**National** SS EN 50525-3-31



Conductor flexibility  
Flexible class 5



Halogen free  
Yes



Rated Voltage U<sub>0</sub>/U (Um)  
450 / 750 V



Operating temp.  
-40 - 70 °C



Operation bending rad.  
- mm



U.V resistance  
-

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	Bare copper
Conductor flexibility	Flexible class 5
Conductor shape	Circular
Insulation	HFFR
Colour	Black
Halogen free	Yes

### Dimensional characteristics

Number of cores	1
Conductor cross-section	50 mm <sup>2</sup>
Number of core wires (nb x mm Ø)	-
Conductor diameter	9.4 mm
Average insulation thickness	1.4 mm
Nominal outer diameter	12.2 mm
Approximate weight	500 kg/km

### Electrical characteristics

Max. DC resistance of the conductor at 20°C	- Ohm/km
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	450 / 750 V

### Usage characteristics

Length	500 m
Packaging	Drum
Operating temperature, range	-40 - 70 °C
Laying operation bending radius	- mm
U.V resistance	-
Bending factor when installed	4 (xD)

## SELLING AND DELIVERY INFORMATION

H07Z1-K is delivered in specified lengths. The package is marked with manufacturer, type of cable, length and manufacturing date. On the label on boxes upon request also the customer item number and/or order number.