



**Nexans Ref.:** 11196398-801-05

**Country Ref.:** 0369535

**EAN 13:** 7330000083769

### FIRE PERFORMANCE CLASS



Dca-s2,d2,a2

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

### STANDARDS

**Product** EN 50525-3-31; SS EN 50525-3-31

**Test** EN 50268; IEC 60754; IEC 61034

### 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, ISO/TS 16949 and ISO 14001.



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  
-

### 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	150 mm <sup>2</sup>
Number of core wires (nb x mm Ø)	-
Conductor diameter	16.7 mm
Average insulation thickness	1.8 mm
Nominal outer diameter	21.0 mm
Approximate weight	1370 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.