



Nexans Ref.: 11196098-801-05

Country Ref.: 0369805

EAN 13: 7330000083646

FIRE PERFORMANCE CLASS



D_{ca}-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 mm² 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 mm²" or "NEXANS GS SEMKO AREA mm² 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 U₀/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	70 mm ²
Number of core wires (nb x mm Ø)	-
Conductor diameter	11.1 mm
Average insulation thickness	1.4 mm
Nominal outer diameter	14.0 mm
Approximate weight	700 kg/km

Electrical characteristics

Max. DC resistance of the conductor at 20°C	- Ohm/km
Rated Voltage U ₀ /U (U _m)	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.