Nexans H07RN-F

H07RN-F 4G6 cut to length



Nexans Ref.: 10056046
EAN 13: 3427640011703

FIRE PERFORMANCE CLASS

E_{ca}

Eca

CONTACT

Building Products Information
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Industrial flexible rubber cable range with an insulation and sheath in elastomers. Cables for heavy duty uses, Oil resistant and Flame retardancy according to IEC/EN 60332-1-2 standard.

STANDARDS

Product EN 50525-2-21; HD 22.4; HD 516; IEC 60245-4 type 66; NF C32-102-4

KEY CHARACTERISTICS

Dimensional characteristics	
Maximum outer diameter	20.0 mm
Minimum outer diameter	15.7 mm
Usage characteristics	
Minimum dynamic operating bending radius	- mm

APPLICATION

H07RN-F flexible cable is intended for installations with moving equipments, electric appliances and for building sites also for motors in lifting appliances -machine tools, etc ... The cable may be rated up to 0,6/1 kV where the installation has built-in protection.

This range of cables is recommended in dry, damp or wet workshops, indoor and outdoor, for example in explosive atmosphere(as ATEX) according to regulation of the country and with some additional recommendations and also for industrial devices and agricultures workshops ...

This cable can be used in refrigerating installations.

INSTALLATION

Conductors laid up

Assembled conductors.

Nota

Max continuous operating conductor temperature in normal use :

+60°C (in every case of mobile installation)

+85°C (in fixed and protected installation)

+200°C (in short circuit)

Conductor flexibility **Flexible class 5**

Lead free **Yes**

Rated Voltage Uo/U (Um) **450/750 V**

Mechanical resistance to impacts **Very good**

Cable flexibility **Flexible**

Chemical resistance **Accidental**

Water proof **Good**

Max.conductor temp.in service **85 °C**

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.

Permissible current rating is measured for an ambient temperature of 30°C and a maximum operating and conductor temperature of 60°C . For other temperature please refer to correction factors .

European Directive RoHS : Compliant

SY+ : French directive for lead free materials in materials.

CHARACTERISTICS

Construction characteristics	
Conductor flexibility	Flexible class 5
Conductor material	Bare annealed copper stranded
Conductor shape	Circular
Insulation	Cross-linked synthetic elastomer type EI 4
Lead free	Yes
Outer sheath	Cross-linked synthetic elastomer type EM 2
Sheath colour	Black
With Green/Yellow core	Yes
Dimensional characteristics	
Conductor cross-section	6 mm²
Number of cores	4
Approximate weight	443 kg/km
Maximum outer diameter	20.0 mm
Minimum outer diameter	15.7 mm
Electrical characteristics	
Max. linear resistance, phase conductor	3.3 Ohm/km
Permissible current rating in open air	50 A
Rated Voltage Uo/U (Um)	450/750 V
Voltage drop, single phase	5.84 V/A.km
Mechanical characteristics	
Mechanical resistance to impacts	Very good
Cable flexibility	Flexible
Usage characteristics	
Packaging	Cut to length
Length	- m
Chemical resistance	Accidental
Water proof	Good
Max. conductor temperature in service	85 °C
Minimum dynamic operating bending radius	- mm
Oil resistance	Yes
Operating temperature, range	-25 ... 55 °C
RoHS compliant	Yes
Short-circuit max. conductor temperature	200 °C
Weather resistance	Very good
Fire safety characteristics	
Flame retardant	IEC 60332-1-2

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ENVIRONMENTAL DATA

This product is part of the **low carbon** range of Nexans : a selection of products ensuring the reduction of the carbon footprint and subject to rigourous ecodesign criteria.

Nexans Low Carbon Selection Criteria: minimum integration of 10% recycled copper or aluminum and/or 100% low-carbon aluminum sourcing.



Global Carbon Footprint	
Amount of CO_2 emitted Cradle to Gate phase (raw material collection and manufacturing), for the production of 1 km of cable.	**1.24 t eq. CO_2**
Recycled copper ratio	
Percentage of recycled metal in the cable conductor.	**10%**
Manufacturing site	
Manufactured in France	**Bohain**

Environmental information coming from Nexans' Product Environmental Profile (PEP Ecopassport®)

SELLING AND DELIVERY INFORMATION

Marking
USE <'HAR> H07RN-F N (x or G) S mm²
N = number of cores

G = with Green-Yellow
x = without Green-Yellow
S = section in mm²

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