



Nexans Ref.: 10056797  
EAN 13: 3427680006325

### FIRE PERFORMANCE CLASS



Eca

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

#### Rozměrová charakteristika

Maximum outer diameter	11,9 mm
Minimum outer diameter	9,2 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 )

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.



Bezolovnatý  
Yes



Conductor flexibility  
Flexible class 5



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



Mechanical  
resistance to  
impacts  
Very good



Cable flexibility  
Flexible



Chemická odolnost  
Accidental



Water proof  
Good



Samozhášivost  
IEC 60332-1-2

### CHARACTERISTICS

#### Konstrukční charakteristika

Bezolovnatý	Yes
Conductor flexibility	Flexible class 5
Conductor shape	Circular
Isolace	Cross-linked synthetic elastomer type EI 4
Material jádra	Bare annealed copper stranded
Outer sheath	Cross-linked synthetic elastomer type EM 2
Sheath colour	Black
With Green/Yellow core	Yes

#### Rozměrová charakteristika

Conductor cross-section	1,5 mm <sup>2</sup>
Počet jader	3
Approximate weight	134 kg/km
Maximum outer diameter	11,9 mm
Minimum outer diameter	9,2 mm

#### Electrical characteristics

Max. linear resistance, phase conductor	13,3 Ohm/km
Permissible current rating in open air	23 A
Phase reactance 50 Hz - trefoil formation	- Ohm/km
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	450/750 V
Voltage drop, single phase	27,0 V/A.km

#### Mechanical characteristics

Mechanical resistance to impacts	Very good
Cable flexibility	Flexible

#### Charakteristika použití

Packaging	Cut to length
Length	- m
Chemická odolnost	Accidental
Water proof	Good
Samozhášivost	IEC 60332-1-2
Max. conductor temperature in service	85 °C
Minimum dynamic operating bending radius	71,4 mm
Minimum static operating bending radius	35,7 mm
Oil resistance	Yes
Operating temperature, range	-25 ... 55 °C
RoHS compliant	Yes
Short-circuit max. conductor temperature	200 °C



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IEC 60332-1-2

## Charakteristika použití

Weather resistance

Very good

## SELLING AND DELIVERY INFORMATION

### Marking

USE <'HAR> H07RN-F N (x or G) S mm<sup>2</sup>

N = number of cores

G = with Green-Yellow

x = without Green-Yellow

S = section in mm<sup>2</sup>



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