

H07RN-F (tinned copper)

Industrial flexible cable, insulation and outer sheath in elastomer

Description

Application

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

This cable can be used in refrigerating installations.

Installation

This cable can be installed in open air or be buried but with extra mechanical protection.

Conductors laid up

Assembled conductors.

Marking

USE <HAR> N (x ou G) S NEXANS FRANCE

- N = number of cores
- G = with Green-Yellow
- x = without Green-Yellow
- S = section in mm²

Nota

Max continuous operating conductor temperature in normal use :

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

+85°C (fixed 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 85°C . For other temperature please refer to correction factors .



Standards

International HD 22.4; HD 516;
IEC 60245-4 type 66

National NF C 32-102-4

							
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	Flame retardant C2, NF C 32-070	Max. conductor temperature in service 60 °C

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Characteristics

Construction characteristics	
Outer sheath	Special cross-linked elastomer
Lead free	Yes
Sheath colour	Black
Insulation	Special cross-linked elastomer
Conductor material	Tinned copper
Electrical characteristics	
Rated Voltage U _o /U (Um)	450 / 750 V
Mechanical characteristics	
Mechanical resistance to impacts	Very good
Cable flexibility	Flexible
Usage characteristics	
Chemical resistance	Accidental
Water proof	Good
Flame retardant	C2, NF C 32-070
Short-circuit max. conductor temperature	200 °C
Max. conductor temperature in service	60 °C
Operating temperature, range	-25 .. 55 °C

Product List

☎=Make to order, 📦=Make to stock

Part Number	Description	Conductor cross-section (mm ²)	Number of cores	Packaging
☎ 10055909	H07RN-F 3G1.5 tinned coil of 100 m P2.4	1.5	3	Coil
☎ 10056041	H07RN-F 3G1.5 tinned coil of 50 m P2.1	1.5	3	Coil
☎ 10055923	H07RN-F 3G2.5 tinned coil of 100 m P1.5	2.5	3	Coil
☎ 10056246	H07RN-F 4G1 tinned coil of 100 m P2.4	1	4	Coil
☎ 10056314	H07RN-F 4G1.5 tinned coil of 50 m P2.1	1.5	4	Coil
☎ 10055882	H07RN-F 4G2.5 tinned coil of 50 m P1.5	2.5	4	Coil
☎ 10055936	H07RN-F 5G2.5 tinned coil of 100 m P1	2.5	5	Coil
☎ 10055907	H07RN-F 2x2.5 tinned coil of 100 m P2.4	2.5	2	Coil
☎ 10056042	H07RN-F 3G1 tinned coil of 100 m P3	1	3	Coil
☎ 10055924	H07RN-F 3G4 tinned coil of 100 m P1	4	3	Coil
☎ 10055933	H07RN-F 4G2.5 tinned coil of 100 m P1	2.5	4	Coil
☎ 10055888	H07RN-F 4G4 tinned coil of 100 m P1	4	4	Coil
☎ 10055886	H07RN-F 4G6 tinned coil of 100 m P0.5	6	4	Coil
☎ 10055885	H07RN-F 4G6 tinned coil of 50 m P0.5	6	4	Coil

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Part Number	Description	Conductor cross-section (mm ²)	Number of cores	Packaging
☎ 10055893	H07RN-F 5G1.5 tinned coil of 100 m P1	1.5	5	Coil
☎ 10055892	H07RN-F 5G1.5 tinned coil of 50 m P1.8	1.5	5	Coil
☎ 10055935	H07RN-F 5G2.5 tinned coil of 50 m P1.2	2.5	5	Coil
☎ 10056061	H07RN-F 5G6 tinned coil of 100 m P0.5	6	5	Coil
☎ 10056060	H07RN-F 5G6 tinned coil of 50 m P0.5	6	5	Coil
☎ 10056159	H07RN-F 10G1.5 tinned cut to length	1.5	10	Cut to length
☎	H07RN-F 12G1.5 tinned cut to length	1.5	12	Cut to length
☎	H07RN-F 18G1.5 tinned cut to length	1.5	18	Cut to length
☎ 10056398	H07RN-F 19G1.5 tinned cut to length	1.5	19	Cut to length
☎ 10055901	H07RN-F 1X95 tinned cut to length	95	1	Cut to length
☎ 10055938	H07RN-F 1x1.5 tinned cut to length	1.5	1	Cut to length
☎ 10055905	H07RN-F 1x10 tinned cut to length	10	1	Cut to length
☎ 10055898	H07RN-F 1x120 tinned cut to length	120	1	Cut to length
☎ 10055928	H07RN-F 1x150 tinned cut to length	150	1	Cut to length
☎	H07RN-F 1x16 tinned cut to length	16	1	Cut to length
☎ 10055899	H07RN-F 1x185 tinned cut to length	185	1	Cut to length
☎ 10055930	H07RN-F 1x2.5 tinned cut to length	2.5	1	Cut to length
☎	H07RN-F 1x240 tinned cut to length	300	1	Cut to length
☎ 10055895	H07RN-F 1x25 tinned cut to length	25	1	Cut to length
☎	H07RN-F 1x300 tinned cut to length	240	1	Cut to length
☎ 10055891	H07RN-F 1x35 tinned cut to length	35	1	Cut to length
☎ 10055671	H07RN-F 1x4 tinned cut to length	4	1	Cut to length
☎	H07RN-F 1x400 tinned cut to length	400	1	Cut to length
☎ 10055890	H07RN-F 1x50 tinned cut to length	50	1	Cut to length
☎	H07RN-F 1x500 tinned cut to length	500	1	Cut to length

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Part Number	Description	Conductor cross-section (mm ²)	Number of cores	Packaging
☎ 10055897	H07RN-F 1x6 tinned cut to length	6	1	Cut to length
☎ 10055900	H07RN-F 1x70 tinned cut to length	70	1	Cut to length
☎	H07RN-F 24G1.5 tinned cut to length	1.5	24	Cut to length
☎ 10056090	H07RN-F 2x1 tinned cut to length	1	2	Cut to length
☎ 10055906	H07RN-F 2x1.5 tinned cut to length	1.5	2	Cut to length
☎	H07RN-F 2x10 tinned cut to length	10	2	Cut to length
☎	H07RN-F 2x16 tinned cut to length	16	2	Cut to length
☎	H07RN-F 2x25 tinned cut to length	25	2	Cut to length
☎ 10056243	H07RN-F 2x4 tinned cut to length	4	2	Cut to length
☎ 10056091	H07RN-F 2x6 tinned cut to length	6	2	Cut to length
☎	H07RN-F 36G1.5 tinned cut to length	1.5	36	Cut to length
☎ 10055896	H07RN-F 3G1 tinned cut to length	1	3	Cut to length
☎ 10055910	H07RN-F 3G1.5 tinned cut to length	1.5	3	Cut to length
☎	H07RN-F 3G10 tinned cut to length	10	3	Cut to length
☎	H07RN-F 3G120 tinned cut to length	120	3	Cut to length
☎	H07RN-F 3G150 tinned cut to length	150	3	Cut to length
☎ 10056244	H07RN-F 3G16 tinned cut to length	16	3	Cut to length
☎	H07RN-F 3G185 tinned cut to length	185	3	Cut to length
☎ 10055881	H07RN-F 3G2.5 tinned cut to length	2.5	3	Cut to length
☎	H07RN-F 3G240 tinned cut to length	240	3	Cut to length
☎ 10064474	H07RN-F 3G25 tinned cut to length	25	3	Cut to length
☎	H07RN-F 3G300 tinned cut to length	300	3	Cut to length
☎	H07RN-F 3G35 tinned cut to length	35	3	Cut to length
☎ 10055917	H07RN-F 3G4 tinned cut to length	4	3	Cut to length
☎	H07RN-F 3G50 tinned cut to length	50	3	Cut to length

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Part Number	Description	Conductor cross-section (mm ²)	Number of cores	Packaging
☎ 10055926	H07RN-F 3G6 tinned coil of 100 m P1	6	3	Coil
☎ 10055927	H07RN-F 3G6 tinned cut to length	6	3	Cut to length
☎	H07RN-F 3G70 tinned cut to length	70	3	Cut to length
☎	H07RN-F 3G95 tinned cut to length	95	3	Cut to length
☎ 10055834	H07RN-F 3X1.5 tinned cut to length	1.5	3	Cut to length
☎ 10056124	H07RN-F 4G1 tinned cut to length	1	4	Cut to length
☎ 10055912	H07RN-F 4G1.5 tinned cut to length	1.5	4	Cut to length
☎ 10055929	H07RN-F 4G10 tinned cut to length	10	4	Cut to length
☎	H07RN-F 4G120 tinned cut to length	120	4	Cut to length
☎	H07RN-F 4G150 tinned cut to length	150	4	Cut to length
☎	H07RN-F 4G16 tinned cut to length	16	4	Cut to length
☎	H07RN-F 4G185 tinned cut to length	185	4	Cut to length
☎ 10055883	H07RN-F 4G2.5 tinned cut to length	2.5	4	Cut to length
☎	H07RN-F 4G240 tinned cut to length	240	4	Cut to length
☎ 10055884	H07RN-F 4G25 tinned cut to length	25	4	Cut to length
☎ 10055904	H07RN-F 4G35 tinned cut to length	35	4	Cut to length
☎ 10055889	H07RN-F 4G4 tinned cut to length	4	4	Cut to length
☎	H07RN-F 4G50 tinned cut to length	50	4	Cut to length
☎ 10055887	H07RN-F 4G6 tinned cut to length	6	4	Cut to length
☎	H07RN-F 4G70 tinned cut to length	70	4	Cut to length
☎	H07RN-F 4G95 tinned cut to length	95	4	Cut to length
☎	H07RN-F 5G1 tinned cut to length	1	5	Cut to length
☎ 10055894	H07RN-F 5G1.5 tinned cut to length	1.5	5	Cut to length
☎	H07RN-F 5G10 tinned cut to length	10	5	Cut to length
☎	H07RN-F 5G16 tinned cut to length	16	5	Cut to length

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Part Number	Description	Conductor cross-section (mm ²)	Number of cores	Packaging
☎ 10055918	H07RN-F 5G2.5 tinned cut to length	2.5	5	Cut to length
☎ 10055457	H07RN-F 5G25 tinned cut to length	25	5	Cut to length
☎ 10056183	H07RN-F 5G4 tinned cut to length	4	5	Cut to length
☎ 10056062	H07RN-F 5G6 tinned cut to length	6	5	Cut to length
☎ 10055903	H07RN-F 7G1.5 tinned cut to length	1.5	7	Cut to length
☎ 10055991	H07RN-F 7G2.5 tinned cut to length	2.5	7	Cut to length
☎ 10056408	H07RN-F 9G1.5 tinned cut to length	1.5	9	Cut to length

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New cores identification

Core identification in accordance with HD 308 S2 (October 2001) Identification of cores in cables and flexible cords.

HD 308 S2 since january 2004		
Number of cores	G (earth core)	X (without earth core)
	1	Black (preferential)
2	Blue + Brown	Blue + Brown
3*	Green - Yellow + Blue + Brown	Brown + Black + Grey
3**		Blue + Brown + Black
4	Green - Yellow + Brown + Black + Grey	Blue + Brown + Black + Grey
5	Green - Yellow + Blue + Brown + Black + Grey	Blue + Brown + Black + Grey + Black
> 5	White printed numbers + 1 Green - Yellow	White printed numbers

* For the cables without Green/Yellow with a cross-section >4mm²

** For the cables without Green/Yellow with a cross-section of 1,5mm² & 2,5mm²