

Application

This cable is dedicated for installations with moving equipment, electric appliances and for building sites.

The cable may be rated 0.6 / 1 kV where the installations has built-in protection and for motors in lifting appliances - machine tools - etc

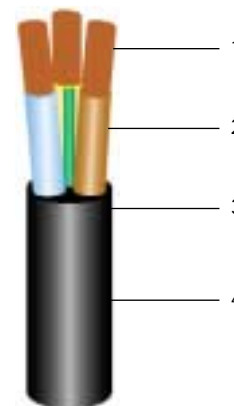
Max continuous operating conductor Temperature :
in normal use : 60°C
85° C if protected
(200° C in short circuit)

Design

1. Conductor
Flexible, bare copper class 5
2. Insulation
Special reticulated elastomer
3. Conductors laid up
Assembled conductors
4. Outer sheath
High mechanical performance
Reticulated elastomer construction

Installation

- This cable can be installed in open air or be buried but with extra mechanical protection.
- Bending radius
Dynamic in use :
6 to 8 times outer diameter
Static in use :
3 to 4 times outer diameter



Marking

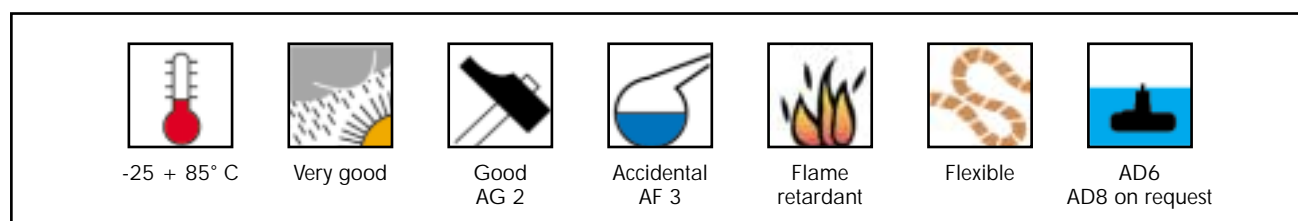
- USE < HAR > H07RN-F
Nb X (or G) S LINEAX
X = without G/Y
G = with G/Y
S = section in mm²

Core identification

- 1 core : Black
2 cores : Brown - Blue
3 cores : Brown - Blue - Green/Yellow
4 cores : Black - Brown - Blue - Black or Green/Yellow
5 cores : Black - Brown - Blue - Black -Black or Green/Yellow
> 5 cores Black printed with white numbers with Green/Yellow

Standards

- FRANCE
NF C 32-102-4
CEI 245-4 (modifiée) - HD22-4
EUROPE CENELEC
HD 22-4
INTERNATIONAL
IEC 60245-4 type 66



Technical Data **LINEAX™** H07RN-F

Nbre of cores Cross section (mm ²)	Permissible current rating (A)	Voltage drop $\Delta u(\cos \varphi 0,8)$ V/A.km	Outer diameter (mm)			Weigth (kg/km)
			Conductor	Mini	Maxi	
1 x 1.5	23	23.3	1.5	5.7	7.1	50
1 x 2.5	32	14.0	1.9	6.3	7.9	66
1 x 4	43	8.7	2.5	7.2	9.0	94
1 x 6	56	5.9	3.0	7.9	9.8	109
1 x 10	77	3.4	3.8	9.5	11.9	182
1 x 16	102	2.2	5.0	10.8	13.4	256
1 x 25	136	1.4	6.3	12.7	15.8	369
1 x 35	168	1.04	7.6	14.3	17.9	482
1 x 50	203	0.75	9.0	16.5	20.6	662
1 x 70	254	0.56	10.8	18.6	23.3	895
1 x 95	315	0.44	12.7	20.8	26.0	1160
1 x 120	363	0.36	13.9	22.8	28.6	1430
1 x 150	416	0.31	15.9	25.2	31.4	1740
1 x 185	475	0.28	17.7	27.6	34.4	2160
1 x 240	559	0.23	19.4	30.6	38.3	2730
1 x 300	637	0.20	23.0	33.5	41.9	3480
1 x 400	746	0.18	26.0	37.4	46.8	4510
1 x 500	833	0.16	30.0	41.3	52.0	5700
2 x 1	18	39.4	1.3	7.7	10.0	99
2 x 1.5	23	27.0	1.5	8.5	11.0	111
2 x 2.5	32	16.2	1.9	10.2	13.1	161
2 x 4	43	10.1	2.5	11.8	15.1	238
2 x 6	56	6.7	3.0	13.1	16.8	279
2 x 10	77	3.8	3.8	17.7	22.6	538
2 x 16	102	2.5	5.0	20.2	25.7	744
2 x 25	136	1.68	6.3	24.3	30.7	1074

Permissible current ratings are shown for an ambient temperature of 30°C where the cable is installed in fixed installations for a maximum operating and a conductor temperature of 85°C.
For other temperatures refer to NFC 15.100 for correction factors.

Nbre of core Cross section (mm ²)	Permissible current rating (A)	Voltage drop $\Delta u(\cos \phi 0,8)$ V/A.km	Outer diameter (mm)			Weigth (kg/km)
			Conductor	Mini	Maxi	
3 G 1	18	39.4	1.3	8.3	10.7	117
3 G 1.5	23	27.0	1.5	9.2	11.9	134
3 G 2.5	32	16.2	1.9	10.9	14.0	195
3 G 4	43	10.1	2.5	12.7	16.2	290
3 G 6	56	7.0	3.0	14.1	18.0	346
3 G 10	77	4.0	3.8	19.1	24.2	663
3 G 16	102	2.5	5.0	21.8	27.6	924
3 G 25	136	1.7	6.3	26.1	33.0	1345
3 G 35	168	1.21	7.6	29.3	37.1	1760
3 G 50	203	0.87	9.0	34.1	42.9	2390
3 G 70	262	0.64	10.8	38.4	48.3	3110
3 G 95	320	0.50	12.7	43.3	54.0	4170
3 G 120	373	0.40	13.9	47.4	60.0	5080
3 G 150	432	0.35	15.9	52.0	66.0	6220
3 G 185	495	0.30	17.7	57.0	72.0	7730
3 G 240	587	0.26	19.4	65.0	82.0	9780
3 G 300	680	0.22	23.0	72.0	90.0	12620
4 G 1	16	34.08	1.3	9.6	12.0	144
4 G 1.5	21	23.30	1.5	10.2	13.1	165
4 G 2.5	29	14.0	1.9	12.5	15.5	245
4 G 4	38	8.71	2.5	14.0	18.0	357
4 G 6	50	5.84	3.0	15.7	20.0	443
4 G 10	68	3.42	3.8	20.8	26.5	818
4 G 16	92	2.20	5.0	23.8	30.1	1150
4 G 25	122	1.44	6.3	28.9	36.6	1700
4 G 35	150	1.04	7.6	32.5	41.1	2180
4 G 50	182	0.75	9.0	37.7	47.5	3030
4 G 70	232	0.56	10.8	42.7	54.0	3990
4 G 95	281	0.44	12.7	48.4	61.0	5360
4 G 120	325	0.36	13.9	53.0	66.0	6500
4 G 150	373	0.31	15.9	58.0	73.0	7990
4 G 185	425	0.28	17.7	64.0	80.0	9910
4 G 240	500	0.23	19.4	72.0	91.0	13120

Permissible current ratings are shown for an ambient temperature of 30°C where the cable is installed in fixed installations for a maximum operating and a conductor temperature of 85°C.
For other temperatures refer to NFC 15.100 for correction factors.

Technical Data **LINEAX™** H07RN-F

Nbre of cores Cross section (mm ²)	Permissible current rating (A)	Voltage drop $\Delta u(\cos \varphi 0,8)$ V/A.km	Outer diameter (mm)			Weigth (kg/km)
			Conductor	Mini	Maxi	
5 G 1.5	21	23.6	1.5	11.2	14.4	238
5 G 2.5	29	14.00	1.9	13.3	17.0	297
5 G 4	38	8.72	2.5	15.6	19.9	453
5 G 6	50	5.84	3.0	17.5	22.2	557
5 G 10	68	3.43	3.8	22.9	29.1	1001
5 G 16	92	2.20	5.0	26.4	33.3	1430
5 G 25	122	1.44	6.3	32.0	40.4	2096
7G1	11.5	—	1.30	13.7	17.5	310
9G1	10.2	—	1.30	16.0	20.4	430
12G1	8.8	—	1.30	17.6	20.9	450
24G1	7.2	34.10	1.30	20.3	24.3	640
27G1	6.2	—	1.30	22.6	28.7	870
30G1	5.9	—	1.30	24.3	29.2	885
36G1	5.6	—	1.30	27.8	30.3	960
6G1.5	16.0	—	1.50	13.4	17.2	300<
12G1.5	11.0	23.30	1.50	17.6	22.14	510
18G1.5	9.0	—	1.50	20.7	26.3	730
24G1.5	7.8	—	1.50	24.3	30.7	1000
36G1.5	6.3	—	1.50	27.8	35.2	1325

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