

H07RN-F Technical Data Sheet



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Rated Voltage	Temperature Rating	Min. Temperature of Installation	Max. Temperature of Short Circuit	Bending Radius
450/750V	-25°C to +85°C	-25°C	250°C	Ø cable <12mm: 3 x OD Ø cable ≥12mm: 4xOD

<u>Conductor:</u>	Class 5, electrolytic annealed copper according IEC 60228
<u>Insulation:</u>	Thermosetting rubber, type E17 according to EN 50363-1
<u>Cores:</u>	2 Core: Brown, Blue 3 Core: Brown, Blue, Green/Yellow 4 Core: Grey, Brown, Black, Green/Yellow 5 Core: Brown, Blue, Green/Yellow, Black, Grey 6 Core: Black numbered + Green/Yellow earth
<u>Sheath:</u>	Black, thermosetting rubber, type EM2 according to EN 50363-2-1
<u>Standards:</u>	Manufactured and tested in accordance to EN 50525-2-21 and IEC 60245
<u>Application:</u>	Suitable for installations where the cable must withstand medium mechanical stress, for machines in industrial and agricultural workshops, for motors and transportable machines on construction sites for wind mills and for agricultural explorations. Suitable for submerged installations. The use up to 1000V is accepted in fixed protected assemblies

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Size (mm)	Outer Diameter (± 0.2mm)	Copper Factor (kg/km)	Cable Weight (kg/km)	Amp Rating (Flexing Installation)	Amp Rating (Fixed Installation)
1.0 x 2	8.4	19.2	104	10	18
1.5 x 2	9.3	28.8	130	16	23
2.5 x 2	10.6	48	191	25	32
4.0 x 2	12.2	76.8	265	34	43
6.0 x 2	13.6	115.2	346	43	56
10 x 2	19.2	192	611	60	77
16 x 2	21.0	307.2	843	79	102
25 x 2	26.7	480	1242	105	136
35 x 2	29.4	672	1580	132	171
1.5 x 3	9.9	43.2	160	16	23
2.5 x 3	11.4	72	232	25	32
4.0 x 3	13.1	115.2	329	35	43
6.0 x 3	14.6	172.8	431	44	56
10 x 3	20.6	288	761	60	77
16 x 3	22.5	460.8	1064	82	102
1.0 x 4	10.1	38.4	155	10	16
1.5 x 4	11.0	57.6	199	16	21
2.5 x 4	12.6	96	292	20	29
4.0 x 4	14.5	153.6	412	30	38
6.0 x 4	16.3	230.4	547	37	50
10 x 4	22.6	384	945	52	68
16 x 4	24.7	614.4	1323	69	92
1.0 x 5	11.1	48	191	10	16
1.5 x 5	12.0	72	242	16	21
2.5 x 5	13.8	120	355	20	29
4.0 x 5	16.1	192	510	30	38
6.0 x 5	18.1	288	679	38	50
10 x 5	24.9	480	1153	54	68
16 x 5	27.4	768	1636	71	92