

XTREM



H07RN-F

Power and flexibility to the limit.

DESIGN

Conductor

Electrolytic copper, class 5 or 6 (flexible), based on EN 60228

Insulation

Thermosetting rubber (type EI4).

The standard identification is the following:

- 1 x natural
- 2 x Brown + Blue
- 3 G Brown + Blue + Yellow/green
- 4 G Brown + Black + Grey + Yellow/green
- 5 G Brown + Black + Grey + Blue + Yellow/green
- 6 G or more Black numbered + Yellow/Green

Outer sheath

Thermosetting rubber (type EM2). Black colour.

APPLICATIONS

Top Cable H07RN-F cables are designed to supply power to low voltage appliances including electric motors and submersible pumps in deep water installations as well as many other types of electrical equipment. Thanks to its extraordinary flexibility and mechanical strength, the Xtrem H07RN-F cable is ideal for power transmission in both fixed instalation or mobile service. The cable has been manufactured using compounds which have much better behaviour than the ones specified in the standards. This fact makes the Xtrem H07RN-F cable a multipurpose one. Nominal voltage up to 1000 V possible thanks to the high dielectric properties of the insulation material (according to HD 516).

Pakaging

Available in rolls
(lengths of 50 and 100 m) and coils.



CHARACTERISTICS

Flexible conductor, class 5/6

Minimum bending radius 3&4 cable diameter

Outdoor installation: permanent

Grease & mineral oils resistance: excellent

Industrial use

Robotics

Minimum service temperature: -25°C

Meter by meter marking

Water resistance AD8 submerged

Abrasion resistance: excellent

Industrial mobile use

Open air

Maximum service temperature 90°C

Flame non-propagation

Chemical & Oil resistance: excellent

Anti-twist resistant: excellent

Heavy mobile use

Submerged

Maximum short-circuit temperature: 250°C (max. 5 s)

Impact resistance AG2 medium impact

Low temperature resistance: excellent (-25°C)

Submersible pumps

Windmills

Deep wells

INSTALLATION CONDITIONS

For further technical data please request this cable's technical datasheet.

Top Cable reserves the right to carry out any modification to the data sheets whatsoever without giving previous notice.



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DIMENSIONS

Cros section (mm²)	Diameter (mm)	Weight (Kg/km)	Open Air 30°C (A)	Buried 20°C (A)	Voltage drop (V/A · km)
1 x 1,5	5,9	48	21	16	26,7
1 x 2,5	6,5	62	29	20	16,6
1 x 4	7,5	88	40	30	9,95
1 x 6	8,3	116	53	38	6,63
1 x 10	10,1	182	74	53	3,84
1 x 16	11,4	250	101	71	2,43
1 x 25	13,4	361	135	94	1,57
1 x 35	14,7	469	169	117	1,11
1 x 50	17,5	671	207	148	0,776
1 x 70	19,6	892	268	185	0,546
1 x 95	22,0	1.140	328	222	0,414
1 x 120	24,2	1.420	383	260	0,323
1 x 150	26,6	1.760	444	300	0,259
1 x 185	28,8	2.090	510	341	0,213
1 x 240	32,2	2.710	607	407	0,161
1 x 300	34,9	3.310	703	468	0,129
1 x 400	39,3	4.270	823	553	0,0976
1 x 500	43,1	5.390	946	634	0,0772
2 x 1	8,3	92	21	10	45,2
2 x 1,5	8,7	109	26	16	30,9
2 x 2,5	10,6	162	36	25	18,5
2 x 4	12,0	220	49	34	11,5
2 x 6	13,7	295	63	43	7,66
2 x 10	18,1	522	86	60	4,43
2 x 16	21,6	738	115	79	2,81
2 x 25	25,7	1.052	149	105	1,81
3 G 1	8,9	111	21	10	45,2
3 G 1,5	9,7	137	26	16	30,9
3 G 2,5	11,4	198	36	25	18,5
3 G 4	13,1	276	49	35	11,5
3 G 6	14,8	370	63	44	7,66
3 G 10	20,1	668	86	62	4,43
3 G 16	22,6	906	115	82	2,81
3 G 25	27,4	1.360	149	109	1,81
3 G 35	29,7	1.700	185	135	1,29
3 G 50	35,4	2.410	225	169	0,896
3 G 70	39,6	3.180	289	211	0,631
3 G 95	45,2	4.070	352	250	0,478
4 G 1	9,7	134	17	10	39,2
4 G 1,5	10,7	169	23	16	26,7
4 G 2,5	12,6	244	32	20	16,0
4 G 4	14,4	343	42	30	9,95
4 G 6	16,7	474	54	37	6,63
4 G 10	21,6	822	75	52	3,84
4 G 16	24,6	1.120	100	69	2,43
4 G 25	30,7	1.730	127	92	1,57
4 G 35	33,2	2.180	158	114	1,11
4 G 50	39,2	3.060	192	143	0,776
4 G 70	43,3	4.040	246	178	0,546
4 G 95	50,5	5.300	298	210	0,414
4 G 120	52,6	6.331	346	246	0,323
4 G 150	60,1	7.928	399	282	0,259
5 G 1	10,5	162	17	10	39,2
5 G 1,5	11,6	206	23	16	26,7
5 G 2,5	14,0	299	32	20	16,0
5 G 4	16,3	431	42	30	9,95
5 G 6	18,4	585	54	38	6,63
5 G 10	24,2	1.010	75	54	3,84
5 G 16	27,1	1.380	100	71	2,43
5 G 25	33,6	2.110	127	94	1,57
5 G 35	36,6	2.677	158	114	1,11
5 G 50	42,7	3.696	192	143	0,776
5 G 70	48,3	4.917	246	178	0,546
5 G 95	55,3	6.448	298	210	0,414
5 G 120	59,7	7.883	346	246	0,323
7 G 1,5	14,8	307	26	16	30,9
7 G 2,5	17,0	434	36	25	18,5
7 G 4	20,1	618	49	34	11,5
8 G 1,5	16,3	379	26	16	30,9

[illegible]

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