

Top Cable

LOW VOLTAGE 450/750 V

Based on :

HD 22.4 / UNE 21027-4

National norm / European: EN 60332-1
International norm : IEC 60332-1

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 E14).

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

Outer sheath

Thermosetting rubber (type EM2). Black colour.

APPLICATIONS

Thanks to its extraordinary flexibility and mechanical strength, the Xtrem H07RN-F cable is ideal for power transmission in both fixed installation or mobile service. This 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 with higher service temperature than standard H07RN-F and also a 1kV voltage rating.

CHARACTERISTICS



Flexible conductor class 5/6



Minimum bending radius: 4 x cable diameter



Outdoor installation: permanent



Minimum service temperature: -25°C



Meter by meter marking



Water resistance: ADB submerged



Maximum service temperature: 90°C



Flame non-propagation



Chemical & oil resistance: excellent



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



Impact resistance: AG2, medium impact



Low temperature resistance: excellent (-25°C)

INSTALLATION CONDITIONS



Industrial use



Robotics



Industrial mobile use



Open air



Heavy mobile use



Submerged



Windmills



Top Cable

XTREM

H07RN-F

DIMENSIONS

Cross section (mm ²)	Diameter (mm)	Weight (Kg/km)	Fixed installation 30°C (A)	Mobile service 30°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	29	11,5
3 G 6	14,8	370	63	36	7,66
3 G 10	20,1	668	86	51	4,43
3 G 16	22,6	906	115	67	2,81
3 G 25	27,4	1.360	149	89	1,81
3 G 35	29,7	1.700	185	110	1,29
3 G 50	35,4	2.410	225	138	0,896
3 G 70	39,6	3.180	289	172	0,631
3 G 95	45,2	4.070	352	204	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
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

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

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