

# Top Cable

LOW VOLTAGE 450/750 V

## XTREM



### CHARACTERISTICS

- Flexible conductor class 5/6
- Minimum service temperature: -25°C
- Maximum service temperature: 90°C
- Maximum short-circuit temperature: 250°C (maximum 5 s)
- Minimum bending radius 4 x cable diameter
- Water by meter marking
- Flame non-propagation
- Impact resistance IZ2: medium impact
- Outdoor installation: permanent
- Water resistance: A08 Submerged
- Chemical & dirt resistance: excellent
- Low temperature resistance: excellent (>5°)

### INSTALLATION CONDITIONS

- Industrial use
- Industrial mobile use
- Heavy mobile use
- Windtills
- Robotics
- Open air
- Submerged

Based on : HD 22.4 / UNE 21027-4

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

## HO7RN-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 HO7RN-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 HO7RN-F cable a multipurpose one with higher service temperature than standard HO7RN-F and also a 1kV voltage rating.



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## HO7RN-F

### DIMENSIONS

Cross section (mm <sup>2</sup> )	Diameter (mm)	Weight (Kg/Km)	Fixed installation 30°C (A)	Mobile service 30°C (A)	Voltage drop (VA - km)
1x1,5	5,9	48	21	16	26,7
1x2,5	6,5	62	29	20	16,6
1x4	7,5	88	40	30	9,5
1x6	8,3	116	53	38	6,63
1x10	10,1	182	74	53	3,84
1x16	11,4	250	101	71	2,43
1x25	13,4	361	135	94	1,57
1x35	14,7	469	169	117	1,11
1x50	17,5	671	207	148	0,776
1x70	19,6	892	268	185	0,546
1x95	22,0	1.140	328	222	0,414
1x120	24,2	1.420	383	260	0,323
1x150	26,6	1.760	444	300	0,259
1x185	28,8	2.090	510	341	0,213
1x240	32,2	2.770	607	407	0,161
1x300	34,9	3.310	703	468	0,129
1x400	39,3	4.270	823	553	0,0976
1x500	43,1	5.390	946	634	0,0772
2x1	8,3	92	21	10	45,2
2x1,5	8,7	109	26	16	30,9
2x2,5	10,6	162	36	25	18,5
2x4	12,0	220	49	34	11,5
2x6	13,7	295	63	43	7,66
2x10	18,1	522	86	60	4,43
2x16	21,6	738	115	79	2,81
2x25	25,7	1.052	149	105	1,81
3G1	8,9	111	21	10	45,2
3G1,5	9,7	137	26	16	30,9
3G2,5	11,4	198	36	25	18,5
3G4	13,1	276	49	29	11,5
3G6	14,8	370	63	36	7,66
3G10	20,1	668	86	51	4,43
3G16	22,6	906	115	67	2,81
3G25	27,4	1.360	149	89	1,81
3G35	29,7	1.700	185	110	1,29
3G50	35,4	2.410	225	138	0,896
3G70	39,6	3.180	289	172	0,631
3G95	45,2	4.070	352	204	0,478
4G1	9,7	134	17	10	39,2
4G1,5	10,7	169	23	16	26,7
4G2,5	12,6	244	32	20	16,0
4G4	14,4	343	42	30	9,5
4G6	16,7	474	54	37	6,63
4G10	21,6	822	75	52	3,84
4G16	24,6	1.120	100	69	2,43
4G25	30,7	1.730	127	92	1,57
4G35	33,2	2.180	158	114	1,11
4G50	39,2	3.060	192	143	0,776
4G70	43,3	4.040	246	178	0,546
4G95	50,5	5.300	298	210	0,414
5G1	10,5	162	17	10	39,2
5G1,5	11,6	206	23	16	26,7
5G2,5	14,0	299	32	20	16,0
5G4	16,3	431	42	30	9,5
5G6	18,4	585	54	38	6,63
5G10	24,2	1.010	75	54	3,84
5G16	27,1	1.380	100	71	2,43
5G25	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.