

CURRENT CARRYING CAPACITY

Laying in free air / Ambient temperature 30°C

Conductor cross section	Single core		Three cores	
	3 cores loaded		3 cores loaded	
	Max 90°C on conductor	Max 110°C on conductor	Max 90°C on conductor	Max 110°C on conductor
mm ²	A	A	A	A
4	42	49	41	47
6	54	62	51	59
10	75	87	72	83
16	100	116	95	109
25	133	154	126	145
35	165	191	156	180
50	209	242	195	225
70	262	302	243	281
95	314	363	288	333
120	368	425	337	389
150	424	490	386	446
185	482	557	437	505
240	576	665	516	596
300	662	764	587	678

Based on HD 516



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Electric cables for all applications.

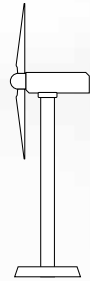


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Wind towers cables.

Designation ■ **H07BN4-F / H07ZZ-F**

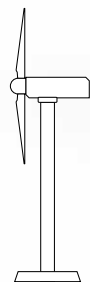
AC name ■ **WIND 90 / WIND 90 ATOX**



Description and applications The WIND 90 cable has been designed for wind-tower application. The particular conductor construction and the used materials have improved the cable torsion resistance (150°/m for 20000 cycles), key requirement for drop cables in wind-generators. The WINDATOX version is also available: featuring "halogen free" compounds for insulation and sheaths that make the cable suitable for fire no-propagation and "LSOH" applications.

Designation ■ **H07BN4-F / H07ZZ-F**

AC name ■ **WIND 110 / WIND 110 ATOX**



Description and applications Flexible cable with special insulation for application under extreme conditions with high conductor temperatures (up to 110°C). These cables can be used either in dry, humid or wet places and under medium mechanical stress. The highly flexible conductor makes the cables specially suited for use as a loop cable in wind generators. The cables are flame retardant and there is the halogen free version (H07ZZ-F WIND 110 ATOX)

- U_o / U = 450 / 750 V Rated voltage
- 2,5 kV Test voltage
- ~ - 40°C (-5°C atox) Min. ambient temp.
- +90° C Max operation temp.
- 20° C Min. laying temp.
- +250° C Short circuit temp.
- ~ 6 X D Min. bending radius

IEMMEQU HAR Certification

HD 22.12, HD 22.13 Norms

1. Conductor: bare flexible copper **2.** Insulation: E17 quality rubber (E18 for atox version) **3.** Inner sheath: EPR rubber compound **4.** Sheath: EM7 quality rubber (EM8 for atox version)

- High temperature
- Flame and/or fire no propag.
- Halogen and/or toxic gases free
- Abrasion and mechanical stresses

- U_o / U = 450 / 750 V Rated voltage
- 2,5 kV Test voltage
- ~ -40°C (-5°C atox) Min. ambient temp.
- + 110° C Max operation temp.
- 20° C Min. laying temp.
- + 250° C Short circuit temp.
- ~ 6 X D Min. bending radius

HD 22.12 HD 22.13 Norms

1. Conductor: Bare flexible copper **2.** Insulation: Special elastomeric compound **3.** Sheath: Rubber compound EM7 quality (EM8 for the H07ZZ-F version) Inner sheath: EPR rubber compound, if any

- High temperature
- Flame and/or fire no propag.
- Halogen and/or toxic gases free
- Abrasion and mechanical stresses