FOR ITALIAN MARKET

A07ZZ-F WIND LS0H

Model Product: 451 - 20161020

RESISTANCE RUBBER SHEAT FOR WIND POWER APPLICATION

STANDARDS

According to DIN VDE 0282-12/HD 22.12

Accordingly to the standards 2014/35/UE- 2011/65/EU (RoHS 2)

- Nominal voltage U0: 450 V
- Nominal voltage U: 750 V
- Test voltage: 3000 V
- Maximun voltage Um: 1000V Installazioni Fisse / for fixed and protected installation
- Maximun operating temperature: +90°C
- Maximun short circuit temperature: +250°C
- Minimum installation and laying temperature: -30°C
- Min. operating temperature (without mechanical shocks): -40°c

COMMON FEATURES

WIND POWER APPLICATION in medium duty. The outer sheath is acids and hydrocarbons resistant (chemical industry) and also moistness and mould resistant.. The cable is moreover made with LSOH compounds (protection against smoke, toxic and corrosive gases in case of fi re). This cable suitable for fi xed and protected installation voltage until 1000V AC.

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):
Normal use ≤ 12D = 5D > 20D=6D
Accurate bending close to the terminal ≤ 12D = 3D > 20D=4D
Festoon i.e. for support crane ≤ 12D = 6D > 20D=8D
Repeted wiring ≤ 12D = 6D > 20D=8D
Turned off on pulley ≤ 12D = 8D > 20D=8D

Maximum pulling stress: Twist maximum:+/-150°/m

PACKING

The cable drum length may be decided at order time.

CORE COLOURS

Single core: Light-Grey

SHEATH COLOUR

Black

INK MARKING

GENERAL CAVI WIND LS0H AO7ZZ-F

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Cores number	Nominal Section	Approx conductor diameter	Insulation minimum thickness	Maximum external diameter	Electric resistance at 20°C	Current carrying capacities 60°C
(N°)	(mm²)	(mm)	(mm)	(mm)	(Ohm/km)	(A)
Single core						
1x	25	6	1.4	13.74	0.78	117
1x	35	8.1	1.4	15.35	0.554	144
1x	50	9.8	1.6	17.68	0.386	175
1x	70	11.6	1.6	20.00	0.272	222
1x	95	13.3	1.8	22.12	0.206	269
1x	120	15.1	1.8	24.54	0.161	312
1x	150	16.8	2.0	26.87	0.129	355
1x	185	18.6	2.2	28.89	0.106	417
1x	240	21.4	2.4	32.62	0.0801	490
1x	300	23.9	2.6	36.46	0.0641	540
Three cores						
3x	25	6.9	1.4	28.70	0.78	177
3x	35	8.1	1.4	32.19	0.554	144
3x	50	9.8	1.6	37.02	0.386	175
3x	70	11.6	1.6	42.07	0.272	222
3x	95	13.3	1.8	46.58	0.206	269
3x	120	15.1	1.8	51.74	0.161	312
3x	150	16.8	2.0	57.21	0.129	355
3x	185	18.6	2.2	61.59	0.106	417