Highly Torsion-resistant, harmonised Wind Energy Cable for the Loop

Product Description

Special design for torsion use in windmill loop

CE ◁HAR▷ RoHS

Application range

- Recommended for the use in windmill loops - designed for windmill constructors' expectations
- Mobile use as well as fixed installation possible
- In dry and wet environment

Benefits

- Special design for torsion use in windmill loop

Design

- Strands of bare copper wires
- Core insulation: Rubber Type EI 7
- Outer jacket of special rubber compound based on EM 7

Product features

- ATTENTION: Only "H07BN4-F Wind Class5" and "H07BN4-F Wind Class6" are torsion-resistant. Standard "H07BN4-F" which can't be found in the LAPP GROUP main catalogue is not torsion-resistant!
- Flame retardant according to IEC 60332-1-2
- Torsion-resistant up to ±150 °/mtr
- Oil resistant to most transmission oils
- Abrasion- and cut-resistant; cold-flexible; ozone-resistant according to HD 22, EN 60811-2-1 and EN 50396-8.1.3

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Technical Data

Approvals
VDE 0282 Part 12 / HD 22.12
Conductor stranding
H07BN4-F Wind Class5: fine-wired/class 5 acc. VDE 0295/ IEC 60228
H07BN4-F Wind Class6: extra-fine wired/class 6 acc. VDE 0295/ IEC 60228
Minimum bending radius
Flexible use: 6 x outer diameter
Fixed installation: 5 x outer diameter
Rated voltage
U0/U: 450/750 VAC, in protected and fixed installations: U0/U: 600/1000 V
Test voltage
2500 V
Current rating
VDE 0298 Part 4
HD 516
Range of temperature
Flexible use: -15°C up to +90°C
Wind energy: -40°C up to +90°C
Fixed installation: -40°C up to +90°C

Article List

Part number	Outer diameter in mm	Conductor cross section in mm²	Copper index kg/km	Weight kg/km
1600751	20,8 - 23,5	95	912.0	1300
1600752	22,8 - 25	120	1152.0	1500
1600753	25,2 - 27,8	150	1440.0	1850
1600754	27,6 - 30,1	185	1776.0	2200
1600755	30,6 - 33,9	240	2304.0	2900
1600756	33,5 - 36,7	300	2880.0	3400
1600757	37,4 - 46,8	400	3840.0	4400

Footnote:
All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.
Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Photographs are not to scale and do not represent detailed images of the respective products.

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Minimum bending radius
Flexible use: 6 x outer diameter
Fixed installation: 5 x outer diameter
Rated voltage
U0/U: 450/750 VAC, in protected and fixed installations: U0/U: 600/1000 V
Test voltage
2500 V
Current rating
VDE 0298 Part 4
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Range of temperature
Flexible use: -15°C up to +90°C
Wind energy: -40°C up to +90°C
Fixed installation: -40°C up to +90°C

Article List

Part number	Outer diameter in mm	Conductor cross section in mm²	Copper index kg/km	Weight kg/km
1600715	20,8 - 26	95	912.0	1230
1600716	22,8 - 28,6	120	1152.0	1490
1600717	25,2 - 31,4	150	1440.0	1875
1600718	27,6 - 34,4	185	1776.0	2190
1600719	30,6 - 38,3	240	2304.0	2900
1600720	33,5 - 41,9	300	2880.0	3400
1600721	37,4 - 46,8	400	3840.0	4400

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