

Halogen-free, flexible single-conductor rubber cable for public transport and wiring

Product Description

Arrangements made of single-conductor cables NSHXAFö in accordance with VDE 0250 Part 606 with nominal voltage of at least U0/U: 1.8/3 kV can be used for short-circuit proof and short-to-ground proof installation up to 1000 V in acc. with VDE 0100 Part 520 and VDE 0298 Part 3



Application range

- Wiring of/in machines, tools, devices, appliances and control cabinets
- Railway vehicles, omnibuses, switching stations (short-circuit proof up to 1000 V), power distributors (short-circuit proof up to 1000 V)
- No direct burial, except of lead-through through fire separations such as sand cups
- In ducts, tubes, pipes, conduits, closed installation channels ...
- Bundled or connection of movable parts

Benefits

- Arrangements made of single-conductor cables NSHXAFö in accordance with VDE 0250 Part 606 with nominal voltage of at least U0/U: 1.8/3 kV can be used for short-circuit proof and short-to-ground proof installation up to 1000 V in acc. with VDE 0100 Part 520 and VDE 0298 Part 3

Design

- Fine-wired copper conductor
- Conductor insulation: Halogen-free rubber compound type 3GI3 according to DIN VDE 0207-20
- Outer coating: Halogen-free polymer compound HM3 in line with DIN VDE 0250-606, black

Product features

- Halogen-free: In the event of fire, protection of life and material assets through low smoke density and reduced development of corrosive gases
- Flame retardant according to IEC 60332-1-2



Technical Data

Approvals

VDE 0250 Part 606

Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC

60228 Class 5

Minimum bending radius

Flexible use: 10 x outer diameter

Fixed installed: 6 x outer diameter

Rated voltage

U0/U: 1.8/3 kV

Test voltage

6000 V

Range of temperature

Flexing: -5°C up to +90°C

Fixed installation: -25°C up to +90°C

Article List

Part number	Outer diameter in mm	Conductor cross section in mm ²	Copper index kg/km	Weight kg/km
3022673	7.0	1,5	14.4	60
3022674	7,5	2,5	24.0	70
3022675	9.0	4	38.0	90
3022676	9,5	6	58.0	120
3022677	11.0	10	96.0	180
3022678	13.0	16	154.0	250
3022679	15.0	25	240.0	390
3022680	16,5	35	336.0	470
3022681	18.0	50	480.0	625
3022682	20,5	70	672.0	880
3022683	24.0	95	912.0	1190
3022684	26.0	120	1152.0	1430
3022685	28.0	150	1440.0	1750
3022686	31.0	185	1776.0	2160
3022687	34,5	240	2304.0	2718
3022688	38.0	300	2890.0	3470

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

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum



Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Photographs are not to scale and do not represent detailed images of the respective products.