

NSHXAFÖ 1,8/3 kV

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

NSHXAFÖ 1,8/3 kV AC, VDE-certified, power cable, single-conductor rubber cable with outer coating, Class 5, halogen-free, VDE 0250-606

Info

Public transport
Control panel internal wiring
Halogen-free



Halogen-free

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

Application range

Wiring of machines, tools, devices, appliances and control cabinets
Railway vehicles, buses;
short-circuit-proof up to 1000 V in switching stations and power distributors
In ducts, tubes, pipes, conduits and closed installation channels
Bundled or for connection of movable parts

Product features

Halogen-free: to protect human life and valuable assets in the event of a fire, through low smoke density and low amount of corrosive gases
Flame-retardant according IEC 60332-1-2
Normative rated voltage class 3.6/6 kVAc available on request
The outer diameters stated in the part number table are maximum values

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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Norm references / Approvals

<VDE> NSHXAFÖ 1,8/3 kV cable type approval according to VDE 0250-606

Product Make-up

Fine copper wire strands

Core insulation: halogen-free rubber compound, type 3GI3

Outer coating: halogen-free polymer compound, type HM3

Technical Data

| | |
|-------------------------|--|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single core cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000993 ETIM 6.0 Class-Description: Single core cable |
| Conductor stranding: | Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5 |
| Minimum bending radius: | Flexible use: 10 x outer diameter Fixed installation: 6 x outer diameter |
| Nominal voltage: | U0/U: 1.8/3 kV |
| Test voltage: | 6000 V |
| Temperature range: | During laying: -25 up to +70 °C Fixed installation: -40 °C up to +90 °C |

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

* Trade product, no Lapp product

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

Prices are net prices without VAT and surcharges. Sale to business customers only.

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| Article number | Conductor cross-section (mm ²) | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|--|---------------------|----------------------|----------------|
| 3022673 | 1.5 | 7 | 14.4 | 60 |
| 3022674 | 2.5 | 7.5 | 24 | 70 |
| 3022675 | 4 | 9 | 38.4 | 90 |
| 3022676 | 6 | 9.5 | 57.6 | 120 |
| 3022677 | 10 | 11 | 96 | 180 |
| 3022678 | 16 | 13 | 153.6 | 250 |
| 3022679 | 25 | 15 | 240 | 390 |
| 3022680 | 35 | 16.5 | 336 | 470 |
| 3022681 | 50 | 18 | 480 | 625 |
| 3022682 | 70 | 20.5 | 672 | 880 |
| 3022683 | 95 | 24 | 912 | 1190 |
| 3022684 | 120 | 26 | 1152 | 1430 |
| 3022685 | 150 | 28 | 1440 | 1750 |
| 3022686 | 185 | 31 | 1776 | 2160 |
| 3022687 | 240 | 34.5 | 2304 | 2718 |
| 3022688 | 300 | 38 | 2880 | 3470 |

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