

## 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](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

## NSHXAFÖ 1,8/3 kV

### 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](http://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 <sup>2</sup> )	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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