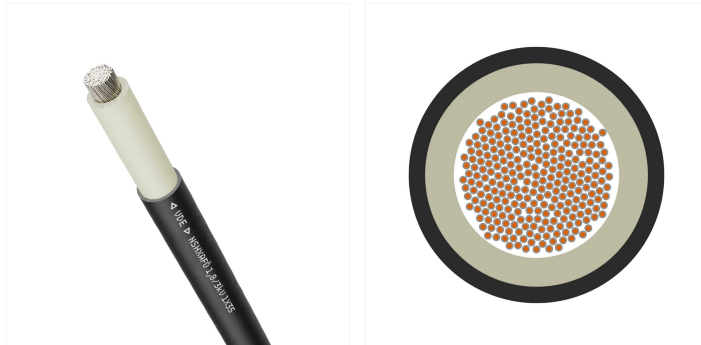


## NSHXAFÖ 1,8/3kV 1X25 BK

**Article No.:** 3022679

Power and control cable; 1X25; VDE certified;  $U_0/U$ : 1.8/3 kV; Fixed Installation



### Details

#### Benefits

- Cable certified in accordance with VDE type NSHXAFÖ, with <VDE> testing mark for proven reliability and quality.
- Suitable for short circuit- and short-to-ground-proof installation up to 1000 V due to high mechanical strength.
- Halogen free and highly flame retardant materials reduce the risk of flame propagation, high smoke density and toxic flue gases in the event of a fire.

#### Application

- For wiring circuits inside machines.
- Suitable for wiring inside control cabinets.
- Compliant with standards for use in railway vehicles and buses.
- Suitable for use in AC and DC charging infrastructures for electromobility.
- For fixed installation in ducts and closed installation channels.
- Can be used in dry rooms.
- Flexible use at temperatures down to -25°C.

#### Notes

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

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Trade product, not a LAPP product.

#### Remarks

Trade product, not a LAPP product.

#### Technical Data

##### General information

Product type	Power and control cable
Copper index	1612.6 lb/10000 ft
Industry segment	Lifts & Elevators Ships & boats

##### Electrical parameters

Nominal voltage	$U_0/U$ : 1.8/3 kV AC rms according to IEC
test voltage	6 kV
Current rating according to	VDE 0298-4

##### Product design

N-german standard cables	NSHXAFÖ 1.8/3 kV
Cable dimension	1X25
Nominal cross section conductor (mm <sup>2</sup> )	25 mm <sup>2</sup>
Conductor material	Tin-plated Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective ground	No
Number of cores	1
Shielded	No
Max. outer diameter	0.551 in
Cable form	Round

Core insulation base material	Rubber
Insulation color	natural
base material coating	Halogen-free compound

**Product features**

Application area	Fixed Installation
For torsional load	No
Protected against short circuits and earth faults	Yes
Minimum bending radius, stationary	6 x outer diameter
Minimum bending radius in inch, fixed installation	3.307 in
Minimum bending radius, occasionally moved	10 x outer diameter
Minimum bending radius in mm, occasionally moved	5.512 in
Temperature, fixed installation	-40 °C to 90 °C max. conductor temperature
Installation temperature min.	-25 °C
Max. assembly temperature	70 °C
Storage temperature max.	-25 °C
Storage temperature maximum	70 °C
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2
UV-resistant	No
weather resistant	No
Ozone-resistant	No
Halogenfree	Yes
Halogen-free according to	EN 50267-2-1 EN 50267-2-2
Oil resistant	Yes
Oil resistance according to	VDE 0207-24
PWIS-free	No
Permanently immersible in water	No

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**Certifications and standards**

CE marking	No
EAC certified	Yes
EAC certification number	RU C-DE.ПБ74.B.00314/21
UL recognized	No
UL listed	No
cUR recognized	No
cUL listed	No
CSA certified	No
VDE certified	Yes
Product standard VDE	VDE 0250-606
HAR-certified	No
CPR fire class	Eca
Resistance to flame propagation tested according to UN/ECE-R118	No

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**NSHXAFÖ 1,8/3 kV**

Article No.	Name	Nominal cross section conductor (mm <sup>2</sup> )	Min. outer diameter	Max. outer diameter	Copper index
3022673	NSHXAFÖ 1,8/3kV 1X1,5 BK	1.5 mm <sup>2</sup>		0.256 in	96.8 lb/10000 ft
3022674	NSHXAFÖ 1,8/3kV 1X2,5 BK	2.5 mm <sup>2</sup>		0.276 in	161.3 lb/10000 ft
3022675	NSHXAFÖ 1,8/3kV 1X4 BK	4 mm <sup>2</sup>		0.295 in	258.04 lb/10000 ft
3022676	NSHXAFÖ 1,8/3kV 1X6 BK	6 mm <sup>2</sup>		0.315 in	387 lb/10000 ft
3022677	NSHXAFÖ 1,8/3kV 1X10 BK	10 mm <sup>2</sup>		0.354 in	645.09 lb/10000 ft
3022678	NSHXAFÖ 1,8/3kV 1X16 BK	16 mm <sup>2</sup>		0.453 in	1032 lb/10000 ft
3022679	NSHXAFÖ 1,8/3kV 1X25 BK	25 mm <sup>2</sup>		0.551 in	1612.6 lb/10000 ft
3022680	NSHXAFÖ 1,8/3kV 1X35 BK	35 mm <sup>2</sup>		0.61 in	2257.82 lb/10000 ft
3022681	NSHXAFÖ 1,8/3kV 1X50 BK	50 mm <sup>2</sup>		0.689 in	3225.45 lb/10000 ft
3022682	NSHXAFÖ 1,8/3kV 1X70 BK	70 mm <sup>2</sup>		0.768 in	4515.2 lb/10000 ft
3022683	NSHXAFÖ 1,8/3kV 1X95 BK	95 mm <sup>2</sup>		0.886 in	6128.36 lb/10000 ft
3022684	NSHXAFÖ 1,8/3kV 1X120 BK	120 mm <sup>2</sup>		0.984 in	7740.3 lb/10000 ft
3022686	NSHXAFÖ 1,8/3kV 1X185 BK	185 mm <sup>2</sup>		1.201 in	11934.17 lb/10000 ft

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