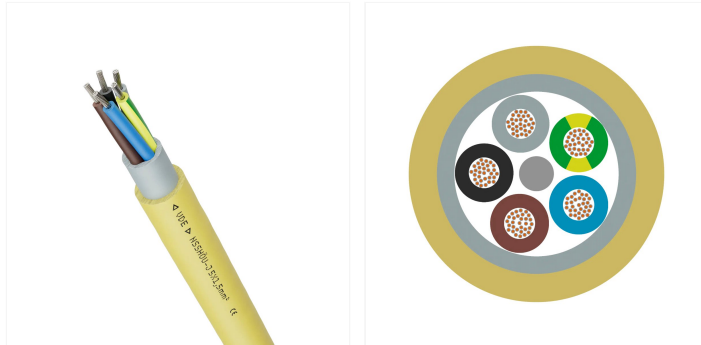


NSSHÖU-J 4G2,5**Article No.:** 16005253

Power and control cable; 4G2.5; VDE certified; U_0/U : 0,6/1 kV; Rubber; Conductor identification: Colors; Flexible

**Details****Benefits**

- Cable certified in accordance with VDE type NSSHÖU, with <VDE> testing mark for proven reliability and quality.
- Highly robust product thanks to abrasion, notch and cut-resistant rubber compound as well as additional inner jacket.
- Extremely weather-resistant with a wide temperature range.

Application

- Universally usable for connecting mobile devices and machines to the power supply.
- Especially for use in mining and open-cast mining, and also in underground mines.
- Can be used in dry, damp and, especially, harsh and oily environments.
- Withstands high mechanical stress.
- Suitable for outdoor use.
- 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	645 lb/10000 ft
Industry segment	Construction Machinery Energy Intralogistics & Material handling Rolling Stock

Electrical parameters

Nominal voltage	U_0/U : 0,6/1 kV AC rms according to IEC
test voltage	3 kV
Current rating according to	VDE 0298-4

Product design

N-german standard cables	NSSHÖU
Cable dimension	4G2.5
Nominal cross section conductor (mm ²)	2.5 mm ²
Conductor material	Tin-plated Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective ground	Yes

Number of cores	4
Shielded	No
Max. outer diameter	0.748 in
Cable form	Round
Core insulation base material	Rubber
Basic material of inner jacket	Rubber
Basic material of outer jacket	Rubber
Outer jacket color	yellow
Core identification	Colors
Conductor color code	VDE 0293-308

Product features

Application area	Flexible Fixed Installation
For torsional load	No
Minimum bending radius, stationary	4 x outer diameter
Minimum bending radius in inch, fixed installation	2.992 in
Minimum bending radius, occasionally moved	5 x outer diameter
Minimum bending radius in mm, occasionally moved	3.74 in
Temperature, fixed installation	-40 °C to 90 °C max. conductor temperature
Temperature, occasionally moved	-25 °C to 90 °C max. conductor temperature
Installation temperature min.	-25 °C
Max. assembly temperature	80 °C
Storage temperature max.	-25 °C
Storage temperature maximum	80 °C
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2
UV-resistant	Yes
Halogenfree	No
Oil resistant	Yes

Oil resistance according to	VDE 0207-21
PWIS-free	No
Permanently immersible in water	No

Certifications and standards

CE marking	Yes
EAC certified	Yes
EAC certification number	EAЭC RU C-DE.AЮ64.B.00091/19, EAЭC RU C-DE.AЮ64.B.00110/20
UL recognized	No
UL listed	No
cUR recognized	No
cUL listed	No
CSA certified	No
VDE certified	Yes
Product standard VDE	VDE 0250-812
HAR-certified	No
Resistance to flame propagation tested according to UN/ECE-R118	No

NSSHÖU

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm ²)	Min. outer diameter	Max. outer diameter	Copper index
1600504	NSSHÖU-O 1X70	1	No	70 mm ²		0.866 in	4515.2 lb/10000 ft
1600516	NSSHÖU-J 3G1,5	3	Yes	1.5 mm ²		0.591 in	290.3 lb/10000 ft
16005243	NSSHÖU-J 4G1,5	4	Yes	1.5 mm ²		0.63 in	387 lb/10000 ft
16005253	NSSHÖU-J 4G2,5	4	Yes	2.5 mm ²		0.748 in	645 lb/10000 ft
16005293	NSSHÖU-J 4G16	4	Yes	16 mm ²		1.457 in	4125.5 lb/10000 ft
16005303	NSSHÖU-J 4G25	4	Yes	25 mm ²		1.535 in	6450.2 lb/10000 ft
16005313	NSSHÖU-J 4G35	4	Yes	35 mm ²		1.673 in	9030.3 lb/10000 ft
16005323	NSSHÖU-J 4G50	4	Yes	50 mm ²		1.929 in	12900.5 lb/10000 ft

V1.1