

NSGAFÖU 1,8/3 kV

Flexible single-conductor rubber cable with 1.8/3 kV rated voltage

NSGAFÖU 1,8/3 kV AC, VDE-certified, power cable, single-conductor rubber cable with outer coating, Class 5, oil-resistant, VDE 0250-602

Info

Public transport
Control panel internal wiring



Oil-resistant

Benefits

Arrangements made of single-conductor cables NSGAFÖU in accordance with VDE 0250 Part 602 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
No direct burial, except of lead-through through fire separations such as sand cups
In ducts, tubes, pipes, conduits and closed installation channels
Bundled or for connection of movable parts

Product features

Flame-retardant according IEC 60332-1-2
Oil-resistant according to EN 60811-404
Normative rated voltage classes U₀/U 0.6/1 kVac and 3.6/6 kVac available on request
The outer diameters stated in the part number table are maximum values

Norm references / Approvals

Last Update (20.12.2019)
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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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<VDE> NSGAFÖU 1,8/3 kV cable type approval according to VDE 0250-602

Product Make-up

Fine-wire strand made of tinned-copper wires
Core insulation: rubber compound, type 3GI3
Outer coating: rubber compound, type 5GM3

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
Current rating:	According to VDE 0298 Part 4, Table 15
Temperature range:	Flexible use: -25°C to +90°C Fixed installation: -40°C 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).

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)
1600300	1.5	7	14.4	60
1600301	2.5	7.5	24	70
1600302	4	9	38.4	90
1600303	6	9.5	57.6	120
1600304	10	11	96	180
1600305	16	13	153.6	250
1600306	25	15	240	390
1600307	35	16.5	336	470
1600308	50	18	480	625
1600309	70	20.5	672	880
1600310	95	24	912	1190
1600311	120	26	1152	1430
1600312	150	28	1440	1750
1600313	185	31	1776	2160
1600314	240	34.5	2304	2640
3026826	300	38	2880	3545

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