

NSGAFÖU 1.8/3 kV

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

NSGAFÖU 1.8/3 kV AC, VDE-certified, power cable, single core rubber cable with outer coating, class 5, oil-resistant

Info

Public transport
Control cabinet internal wiring



Oil-resistant

Benefits

Arrangements made of single core cables NSGAFÖU in accordance with VDE 0250 part 602 with nominal voltage of at least U_0/U : 1.8/3 kV can be used for short circuit-proof and short-to-ground-proof installation up to 1000 V in accordance with VDE 0100 part 520 and VDE 0298 part 3

Application range

Wiring machines, devices, and control cabinets
Railway vehicles, buses;
short-circuit-proof up to 1000 V in switching stations and distributors
No direct burial, except through fire separations such as sand cups
In ducts and closed installation channels
Bundled or for connection of movable parts

Product features

The outer diameters stated in the article table are maximum values
Flame-retardant according to IEC 60332-1-2
Oil-resistant according to EN 60811-404
Normative nominal voltage classes U_0/U 0.6/1 kV_{ac} and 3.6/6 kV_{ac} available on request

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Norm references / approvals

<VDE> NSGAFÖU 1.8/3 kV design certification according to VDE 0250-602

Design

Fine-wire strand made of tin-plated copper wires
Core insulation: Rubber compound, type 3GI3
Outer coating: Rubber compound, type 5GM3
No outer sheath

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single-core cable
Conductor design:	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:	U_0/U : 1.8/3 kV
Test voltage:	6000 V
Current load capacity:	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 otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

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

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

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

Photographs 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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Product Management www.lappkabel.de

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