


U.I. Lapp GmbH	PRODUCT INFORMATION	
	NSGAFÖU 1.8/3 kV	29.11.2013

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

Arrangements made of single-conductor 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 acc. with VDE 0100 Part 520 and VDE 0298 Part 3



Oil-resistant

Info

Public transport
Control panel internal wiring

Application range

Wiring of machines, tools, devices, appliances and control cabinets
Railway vehicles, buses, switching stations (short-circuit-proof up to 1000 V), power distributors (short-circuit-proof up to 1000 V)

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

Design

Fine-wire strand made of tinned-copper wires

Core insulation: rubber compound type 3GI3

Outer coating: rubber compound, type 5GM3

No outer sheath

Norm references / Approvals

<VDE> certification according to the VDE cable type NSGAFÖU 1,8/3 kV acc. VDE 0250-602

Product features

Flame-retardant according IEC 60332-1-2

Oil-resistant according to EN 60811-404

Normative rated voltage classes U_0/U 0.6/1 kVac and 3.6/6 kVac available on request

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. 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 \leq 30 kg or \leq 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 are not to scale and do not represent detailed images of the respective products.

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Technical Data

Classification:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 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:	U ₀ /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

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Part number	Conductor cross-section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1600300	1,5	7.0	14.4	60
1600301	2,5	7,5	24.0	70
1600302	4	9.0	38.4	90
1600303	6	9,5	57.6	120
1600304	10	11.0	96.0	180
1600305	16	13.0	153.6	250
1600306	25	15.0	240.0	390
1600307	35	16,5	336.0	470
1600308	50	18.0	480.0	625
1600309	70	20,5	672.0	880
1600310	95	24.0	912.0	1190
1600311	120	26.0	1152.0	1430
1600312	150	28.0	1440.0	1750
1600313	185	31.0	1776.0	2160
1600314	240	34,5	2304.0	2640
3026826	300	38.0	2880.0	3545