

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

### Product Description

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/in machines, tools, devices, appliances and control cabinets
- Railway vehicles, omnibuses, 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, closed installation channels ...
- Bundled or connection of movable parts

### 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

### Design

- Fine-wired conductor of tinned copper strands
- Conductor insulation: Rubber compound type 3GI3
- Outer coating: Rubber compound type 5GM3, black

### Product features

- Flame retardant according to IEC 60332-1-2
- Oil resistant according to EN 60811-2-1



**Technical Data**

**Approvals**

VDE 0250 Part 602

**Conductor stranding**

Fine wire according to VDE 0295 Class 5/ IEC  
60228 Class 5

**Minimum bending radius**

Flexible use: 10 x outer diameter  
Installed fixedly: 6 x outer diameter

**Rated voltage**

U0/U: 1.8/3 kV

**Test voltage**

6000 V

**Current rating**

According to VDE 0298 Part 4, Table 15

**Range of temperature**

Flexible use: -25°C up to +90°C  
Fixed installation: -40°C up to +90°C

**Article List**

Part number	Outer diameter in mm	Conductor cross section in mm <sup>2</sup>	Copper index kg/km	Weight kg/km
1600300	7.0	1,5	14.4	60
1600301	7,5	2,5	24.0	70
1600302	9.0	4	38.0	90
1600303	9,5	6	58.0	120
1600304	11.0	10	96.0	180
1600305	13.0	16	154.0	250
1600306	15.0	25	240.0	390
1600307	16,5	35	336.0	470
1600308	18.0	50	480.0	625
1600309	20,5	70	672.0	880
1600310	24.0	95	912.0	1190
1600311	26.0	120	1152.0	1430
1600312	28.0	150	1440.0	1750
1600313	31.0	185	1776.0	2160
1600314	34,5	240	2304.0	2640
3026826	38.0	300	2880.0	3545

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17



Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil  $\leq$  30 kg and  $\leq$  250 m, otherwise drum

Please specify the desired packaging size (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.