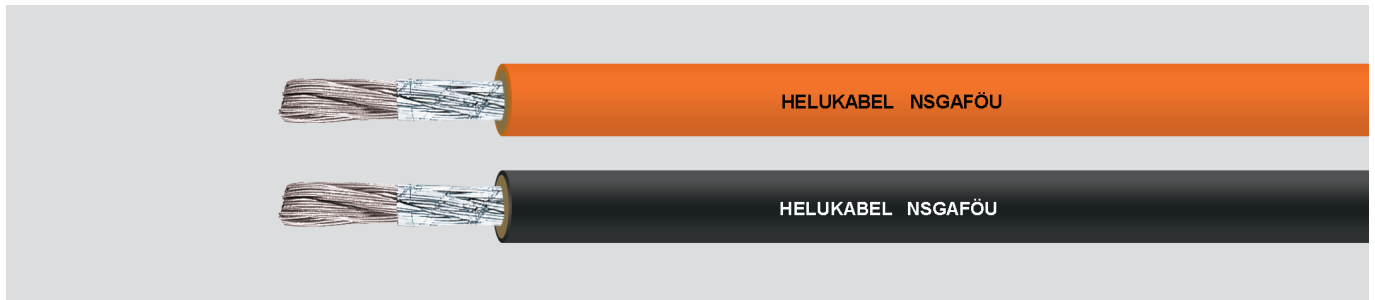


# NSGAFÖU 3 kV

Special Rubber-Insulated Cable, short-circuit up to 1000 V



## Technical data

- Special rubber-insulated single core cables acc. to DIN VDE 0250-602
- **Temperature range**  
flexing -25°C to +80°C  
fixed installation -40°C to +80°C
- Permissible conductor **operating temperature** +90°C
- **Nominal voltage**  
U<sub>0</sub>/U 1,8/3 kV
- Max. permissible **operating voltage**  
- 3-Phase and single phase operation 2,1/3,6 kV  
- DC operation 2,7/5,4 kV
- **Test voltage**  
6 kV
- **Minimum bending radius**  
flexing 10x outer Ø  
fixed installation 6x outer Ø

## Cable structure

- Tinned copper conductor, fine wire acc. to DIN VDE 0295 cl.5 / IEC 60228 cl.5
- EPR-insulation, compound type 3GI3 acc. to DIN VDE 0207-20
- Outer casing: Polychloroprene 5GM3 acc. to DIN VDE 0207-21
- Colour: black or orange

## Properties

### Tests

- Oil resistant acc. to DIN VDE 0473-811-404/DIN EN 60811-404
- Behaviour in fire acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

### Note

- Considered as being short circuit safe and inherently earth-fault-proof are those operating materials and conducting assemblies where because of suitable measures and/or means applied, neither a short circuit nor a short to ground is to be expected under operating conditions which are in accordance with those specified for the intended application.
- Version in 6 kV available on request.
- The conductor is metrically constructed (mm<sup>2</sup>). The AWG designation is approximate and purely informative.

## Application

Particularly suitable for protection against short circuits in laying and for inherently earth-fault-proof routing in rail vehicles and omnibuses. Also suitable for laying in dry environments. For laying in tubes, closed installation ducts, device wiring, for connecting flexing parts, bundled. Not for usage on cable ladders and cable trays.

### Colour: black

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
38501	1 x 1,5	7,0	14,4	62,0	16
38502	1 x 2,5	7,5	24,0	76,0	14
38503	1 x 4	9,0	38,0	95,0	12
38504	1 x 6	9,5	58,0	140,0	10
38505	1 x 10	11,0	96,0	190,0	8
38506	1 x 16	13,0	154,0	270,0	6
38507	1 x 25	15,0	240,0	410,0	4
38508	1 x 35	16,5	336,0	490,0	2
38509	1 x 50	18,0	480,0	650,0	1
38510	1 x 70	20,5	672,0	900,0	2/0
38511	1 x 95	24,0	912,0	1200,0	3/0
38513	1 x 120	26,0	1152,0	1450,0	4/0
38514	1 x 150	28,0	1440,0	1800,0	300 kcmil
38512	1 x 185	31,0	1776,0	2200,0	350 kcmil
38515	1 x 240	34,5	2304,0	2650,0	500 kcmil
38516	1 x 300	38,0	2880,0	3250,0	600 kcmil

### Colour: orange

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
710665	1 x 2,5	7,5	24,0	76,0	14
710666	1 x 4	9,0	38,0	95,0	12
710223	1 x 6	9,5	58,0	140,0	10

Dimensions and specifications may be changed without prior notice. (RK01)