

NSGAFÖU 3kV Special Rubber-Insulated Cable, VDE approved, short-circuit up to 1000V



Technical data

- Special rubber-insulated single core cables to DIN VDE 0250 part 602
- **Temperature range**
flexing -25°C to +80°C
fixed installation -40°C to +80°C
- Permissible **operating temperature** at conductor +90°C
- **Nominal voltage** U_0/U 1,8/3 kV
- Max. permissible **operating voltage** for three and one-phase alternating current operation U_0/U 2,1/3,6 kV, for direct current operation U_0/U 2,7/5,4 kV
- **Test voltage** 6 kV
- **Minimum bending radius**
5x cable \varnothing

Cable construction

- Tinned copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5 and IEC 60228 cl. 5
- EPR-insulation, compound type 3GI3 to DIN VDE 0207 part 20
- Polychloroprene outer jacket oil resistant, abrasion resistance
- Colour black or red

Properties

- **Oil resistant**
Test to DIN VDE 0472 part 803, test method A
- **Behaviour in fire**
Test according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- 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.

Note

- Version in 6 kV available on request.

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.

Part No.	No. cores x cross-sec. mm ²	Outer \varnothing max. mm	Cop. weight kg / km	Weight ca. 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

Part No.	No. cores x cross-sec. mm ²	Outer \varnothing max. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
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

Dimensions and specifications may be changed without prior notice.