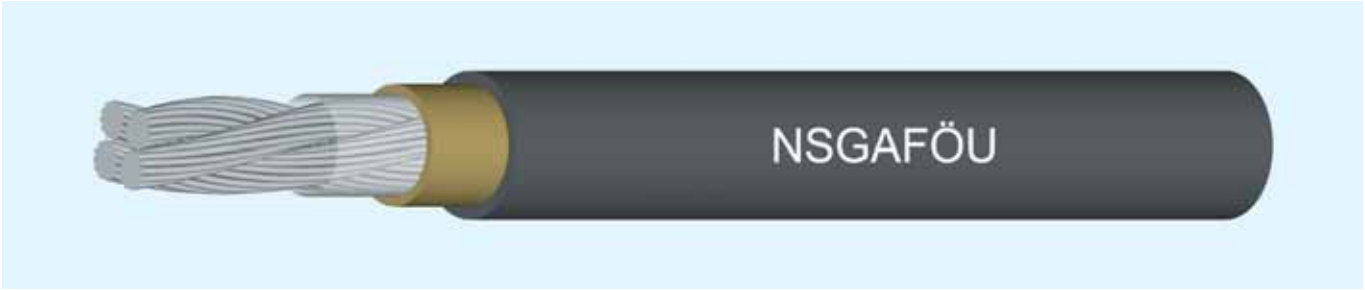
NSGAFÖU 1,8/3kV 3,6/6kV (on request)

Special rubber cables, short circuit up to 1000 V



Cable structure

- Stranded bare or tinned copper conductor according to DIN VDE 0295 and IEC 60228 cl. 5
- Inner sheath EPR
- Outer sheath polychloroprene, resistant to oils and abrasion, color black
- Oil resistant test according to DIN VDE 0472 part 803, test method A
- Tested according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- Special rubber insulated single-core cables according to DIN VDE 0250 part 602
- **Temperature range** flexing from -25 °C to +80 °C
  fixed from -40 °C to +80 °C
- **Max. permissible operating temperature**
  at conductor +90 °C
  short-term +200 °C
- **Nominal voltage** U_O/U 1,8/3 kV
- **Operating voltage** for one and three-phase
  a.c. U_O/U 2,16/3,6 kV
  d.c. U_O/U 3,2/5,4 kV
- **Test voltage a.c.** 6000 V
- **Minimum bending radius** approx. 5× cable diameter

Application

These special rubber cables are used for installations in dry environments such as switching boards, rail vehicles, troley buses etc. They are also used as short circuit cables.

Note

Conforms to RoHS.

Part No.	Number of cores × core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]	Current carrying capacity [A] in air [30 °C]
0738501	1 × 1,5	7,0	14,4	62	30
0738502	1 × 2,5	7,5	24	76	41
0738503	1 × 4	9,0	38	104	55
0738504	1 × 6	9,5	58	137	70
0738505	1 × 10	11,0	96	242	98
0738506	1 × 16	13,0	154	336	132
0738507	1 × 25	15,0	240	473	176
0738508	1 × 35	16,5	336	635	218
0738509	1 × 50	18,0	480	866	276
0738510	1 × 70	20,5	672	1145	347

Part No.	Number of cores × core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]	Current carrying capacity [A] in air [30 °C]
0738511	1 × 95	24,0	912	1475	416
0738513	1 × 120	26,0	1152	1832	488
0738514	1 × 150	28,0	1440	2000	566
0738512	1 × 185	31,0	1776	2500	644
0738515	1 × 240	34,5	2304	3200	775
07385141	1 × 300	38,0	2880	3178	898
(N)SGAFÖU					
07385121	1 × 400	46,0	3840	4060	1032
07385151	1 × 500	51,0	4800	5640	-