

# NSGAFÖU (Ghuöf)

**Special rubber-sheathed single core cable**  
**Standard: DIN VDE 0250-602**

**Application:**

For the use in track vehicles and busses as well as in dry rooms, switchgear and distribution cabinets up to 1000 V as short circuit and earth fault resistant cable.



**Construction:**

- 1 Copper conductor, tinned fine wire
- 2 Separation layer (non-woven tape)
- 3 Insulation (EPR)
- 4 Sheath (Polychloroprene, black, oil and abrasion resistant)



**Rated voltage:** 1,8/3 kV 3,6/6 kV



**Test voltage:** 6000 Veff 11000 Veff



**Temperature range:**

During installation: min. -25 °C  
 Operating temperature: fixed -40 °C to +80 °C  
 moved -25 °C to +80 °C  
 Conductor temperature: max. +90 °C  
 Short circuit temperature of the conductor: max. +200 °C/5 s



**Bending radius (min.):** 6 x Ø of the cable (fixed installed)  
 10 x Ø of the cable (moveable installed)



**Flammability:**

Self extinguishing (EN 50265-2-1, IEC 60332-1)



**Certification mark:** VDE Germany

Nominal cross section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
<b>NSGAFÖU 1.8/3 kV</b>						
1.5	13.700	7.0	15	60	500 Sp, 1000 Sp	<b>1,281.08</b>
2.5	8.210	7.5	25	70	500 Sp, 1000 Sp	<b>1,529.56</b>
4	5.090	9.0	40	90	500 Sp, 1000 Sp	<b>1,969.12</b>
6	3.390	9.5	60	120	500 Sp, 1000 Sp	<b>2,307.80</b>
10	1.950	11.0	100	180	500 Sp, 1000 Sp	<b>3,593.55</b>
16	1.240	13.0	160	250	500 T, 1000 T	<b>4,925.86</b>
25	0.795	15.0	250	390	500 T, 1000 T	<b>6,832.97</b>
35	0.565	16.5	350	470	500 T, 1000 T	<b>8,803.87</b>
50	0.393	18.0	500	625	500 T, 1000 T	<b>11,773.87</b>
70	0.277	20.5	700	880	500 T, 1000 T	<b>15,286.78</b>
95	0.210	24.0	950	1,190	500 T, 1000 T	<b>19,476.87</b>
120	0.164	26.0	1,200	1,430	500 T, 1000 T	<b>23,495.31</b>
150	0.132	28.0	1,500	1,750	500 T, 1000 T	<b>28,239.47</b>
185	0.108	31.0	1,850	2,160	500 T, 1000 T	<b>34,039.73</b>
240	0.082	34.5	2,400	2,534	500 T, 1000 T	<b>43,151.98</b>
300	0.065	38.0	3,000	3,178	500 T, 1000 T	52,910.99
<b>NSGAFÖU 3.6/6 kV</b>						
1.5	13.700	9.5	15	63	500 Sp, 1000 Sp	a,A,
2.5	8.210	10.5	25	74	500 Sp, 1000 Sp	a,A,

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Nominal cross section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/packing (m)	Price (EUR/km)
<b>NSGAFÖU 3.6/6 kV</b>						
4	5.090	12.0	40	95	500 Sp. 1000 Sp	a.A.
6	3.390	13.0	60	126	500 Sp. 1000 Sp	a.A.
10	1.950	14.5	100	189	500 Sp. 1000 Sp	a.A.
16	1.240	15.5	160	263	500 T. 1000 T	a.A.
25	0.795	17.5	250	410	500 T. 1000 T	a.A.
35	0.565	19.0	350	494	500 T. 1000 T	a.A.
50	0.393	21.0	500	656	500 T. 1000 T	a.A.
70	0.277	23.0	700	906	500 T. 1000 T	a.A.
95	0.210	26.5	950	1,226	500 T. 1000 T	a.A.
120	0.164	28.5	1,200	1,483	500 T. 1000 T	a.A.
150	0.132	30.5	1,500	1,803	500 T. 1000 T	a.A.
185	0.108	33.0	1,850	2,225	500 T. 1000 T	a.A.
<b>(N)SGAFÖU 3.6/6 kV</b>						
240	0.082	38.0	2,400	2,660	500 T. 1000 T	a.A.

Subject to technical changes. All figures are therefore without guarantee.