

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 ²)	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)
NSGAFÖU 1.8/3 kV						
1.5	13.700	7.0	15	60	500 Sp, 1000 Sp	1,281.08
2.5	8.210	7.5	25	70	500 Sp, 1000 Sp	1,529.56
4	5.090	9.0	40	90	500 Sp, 1000 Sp	1,969.12
6	3.390	9.5	60	120	500 Sp, 1000 Sp	2,307.80
10	1.950	11.0	100	180	500 Sp, 1000 Sp	3,593.55
16	1.240	13.0	160	250	500 T, 1000 T	4,925.86
25	0.795	15.0	250	390	500 T, 1000 T	6,832.97
35	0.565	16.5	350	470	500 T, 1000 T	8,803.87
50	0.393	18.0	500	625	500 T, 1000 T	11,773.87
70	0.277	20.5	700	880	500 T, 1000 T	15,286.78
95	0.210	24.0	950	1,190	500 T, 1000 T	19,476.87
120	0.164	26.0	1,200	1,430	500 T, 1000 T	23,495.31
150	0.132	28.0	1,500	1,750	500 T, 1000 T	28,239.47
185	0.108	31.0	1,850	2,160	500 T, 1000 T	34,039.73
240	0.082	34.5	2,400	2,534	500 T, 1000 T	43,151.98
300	0.065	38.0	3,000	3,178	500 T, 1000 T	52,910.99
NSGAFÖU 3.6/6 kV						
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 ²)	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)
NSGAFÖU 3.6/6 kV						
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.
(N)SGAFÖU 3.6/6 kV						
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.