



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded tinned copper wires
Seperator	A suitable tape may be applied over the conductor, with semi-conductive layer for 3,6/6 kV
Insulation	3GI3 type cross-linked elastomeric compound (VDE 0207 - Part 20)
Sheath	5GM3 type cross-linked elastomeric compound (VDE 0207 - Part 21)
Color	Black

MAIN CHARACTERISTICS

Construction	VDE 0250-602
General Requirements	VDE 0250-1
Guide to Use	VDE 0298-3, VDE 0298-4
Electrical Tests	VDE 0472- 501, 508, 503
Non-electrical Tests	VDE 0472-401, 402, 602, 303, 615, 803, 804
Conductor Resistance	IEC 60228, VDE 0295
Flame Retardant	IEC 60332-1-2, VDE 0482-332-1-2
Oil Resistant	VDE 0473-811-404, EN 60811-404

OPERATING CHARACTERISTICS

Rated Voltage	600/1000 V - 1800/3000 V - 3600/6000 V (U ₀ /U)
AC Test Voltage	4 kV / 6kV / 11 kV
Operating Temperature	
<i>In Flexing Use</i>	-25°C to +90°C
<i>In Fixed Use</i>	-40°C to +90°C
Max. Conductor Operating Temp.	90°C
Conductor Short-Circuit Temp.	250°C (Max. 5 sec)
Min. Installation Temp.	-25°C
Min. Bending Radius	VDE 0298-3 Tab.3
Current Carrying Capacities	VDE 0298-4 Tab. 15

APPLICATIONS

Especially suitable for connections of short circuit and grounding. They are used in railway vehicels, buses, switch cabinets, continuously operating installations, pipes, trays and in closed electrical trays. These cables can be used as connection power cable in transformer substations.



FLAME RETARDANT



OIL RESISTANT



UV RESISTANT

NSGAFÖÜ 0,6/1kV

Cross Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (fixed installation) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
1x1,5	4,80	36	14	13,70
1x2,5	5,40	49	16	8,21
1x4	6,10	69	18	5,09
1x6	6,60	88	20	3,39
1x10	8,10	140	24	1,95
1x16	9,10	197	27	1,24
1x25	11,40	300	34	0,795
1x35	12,70	404	51	0,565
1x50	14,60	551	58	0,393
1x70	16,50	764	66	0,277
1x95	18,45	981	74	0,21
1x120	20,15	1223	81	0,164
1x150	21,95	1504	88	0,132
1x185	24,65	1840	99	0,108
1x240	27,95	2449	112	0,0817
1x300	30,75	3004	123	0,0654

NSGAFÖÜ 1,8/3 kV

Cross Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (fixed installation) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
1x1,5	5,80	48	17	13,70
1x2,5	6,20	60	19	8,21
1x4	6,70	77	20	5,09
1x6	7,20	97	22	3,39
1x10	8,70	151	26	1,95
1x16	9,70	210	29	1,24
1x25	12,60	333	50	0,795
1x35	13,50	428	54	0,565
1x50	15,00	565	60	0,393
1x70	16,90	780	68	0,277
1x95	19,25	1015	77	0,21
1x120	20,95	1261	84	0,164
1x150	22,75	1545	91	0,132
1x185	25,05	1863	100	0,108
1x240	28,38	2475	114	0,0817
1x300	31,15	3033	125	0,0654

NSGAFÖU 3,6/6 kV

Cross Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (fixed installation) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
1x1,5	8,70	84	26	13,70
1x2,5	9,10	98	27	8,21
1x4	9,60	117	29	5,09
1x6	11,10	164	33	3,39
1x10	11,60	200	35	1,95
1x16	13,10	278	52	1,24
1x25	15,40	394	62	0,795
1x35	16,40	496	66	0,565
1x50	17,90	639	72	0,393
1x70	22,40	987	90	0,277
1x95	24,60	1233	98	0,21
1x120	23,50	1335	94	0,164
1x150	24,90	1602	100	0,132
1x185	26,80	1901	107	0,108
1x240	30,50	2539	122	0,0817
1x300	33,10	3088	132	0,0654