

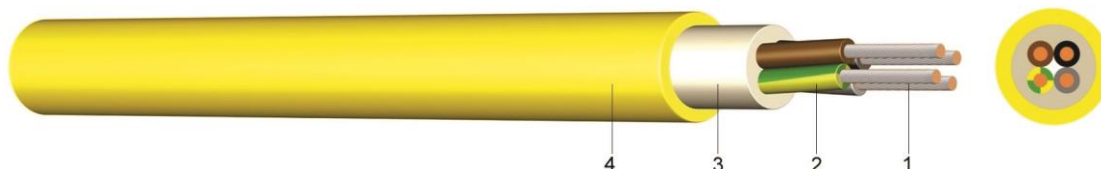


NSSHöu

Rubber Sheathed Cable for High Mechanical Stress

Application:

These cables are suitable for extreme mechanical stress in dry and humid locations and outdoor use for connections of heavy equipment. For mines and industrial use.



Construction:

- 1 fine-stranded tinned copper
- 2 EPR rubber insulation (ethylen-propylen polymer)
- 3 rubber inner sheath
- 4 outer sheath of polychloroprene (CR), yellow, abrasion and oil resistant, flame retardant

Standards:

according to DIN VDE 0250-812
DIN EN 60228 class 5 (construction)
HD 308 S2 (core identification)

Technical data:

Nominal voltage U ₀ /U		[V]	600 / 1000 Volt
Test voltage		[V] _{AC}	4000
Temperature range	in motion		-25°C till +80°C
Operating temperature	short circuit	°C	250°C
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	4
Bending radius	in motion	x diameter	10
Oil-resistant	standard		EN 60811-2-1
Flammability	standard		EN 60332-1-2

Number of cores from and nominal cross section mm ²		Copper figure kg/km	Cond. construction (app.value)mm	Overall diameter appr.mm	Weight appr. kg / km
1 x 25	○	250	200 x 0,41	12,9	350
1 x 35	○	350	280 x 0,41	13,6	446
1 x 50	○	500	400 x 0,41	16,0	618
1 x 70	○	700	356 x 0,51	18,2	838
1 x 95	○	950	485 x 0,51	20,7	1.082
1 x 120	○	1.200	614 x 0,51	22,4	1.350
1 x 150	○	1.500	765 x 0,51	24,6	1.660
1 x 185	○	1.850	944 x 0,51	28,3	2.067
1 x 240	○	2.400	1225 x 0,51	30,2	2.621
3 x 1,5	●	45	30 x 0,26	11,5	184
3 x 2,5	●	75	50 x 0,26	12,9	245
3 x 70/35	●	2.450	356 x 0,51	42,2	3.775
3 x 95/50	●	3.350	485 x 0,51	50,2	5.116
3 x 120/70	●	4.300	614 x 0,50	55,0	6.388
4 x 1,5	●	60	30 x 0,26	12,2	213
4 x 2,5	●	100	50 x 0,26	15,1	328



Number of cores and nominal cross section mm ²		O	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
4 x 4	●		160	56 x 0,31	16,7	423
4 x 6	●		240	84 x 0,31	18,1	530
4 x 10	●		400	80 x 0,41	22,3	832
4 x 16	●		640	128 x 0,41	26,3	1.198
4 x 25	●		1.000	200 x 0,41	31,5	1.771
4 x 35	●		1.400	280 x 0,41	33,2	2.196
4 x 50	●		2.000	400 x 0,41	40,4	3.160
4 x 70	●		2.800	356 x 0,51	44,8	4.115
4 x 95	●		3.800	485 x 0,51	52,6	5.516
4 x 120	○		4.800	614 x 0,51	57,0	6.815
5 x 1,5	●		75	30 x 0,26	13,1	249
5 x 2,5	●		125	50 x 0,26	16,1	384
5 x 4	●		200	56 x 0,31	17,9	501
5 x 6	●		300	84 x 0,31	20,3	672
5 x 10	●		500	80 x 0,41	24,2	1.001
5 x 16	●		800	128 x 0,41	28,4	1.445
5 x 25	●		1.250	200 x 0,41	34,1	2.140
5 x 35	●		1.750	280 x 0,41	37,4	2.791
7 x 1,5	●		105	30 x 0,26	16,1	370
7 x 2,5	●		175	50 x 0,26	18,3	504
10 x 1,5	○		150	30 x 0,26	19,0	490
12 x 2,5	○		300	50 x 0,26	22,3	733
18 x 2,5	○		450	50 x 0,26	26,4	1.055