

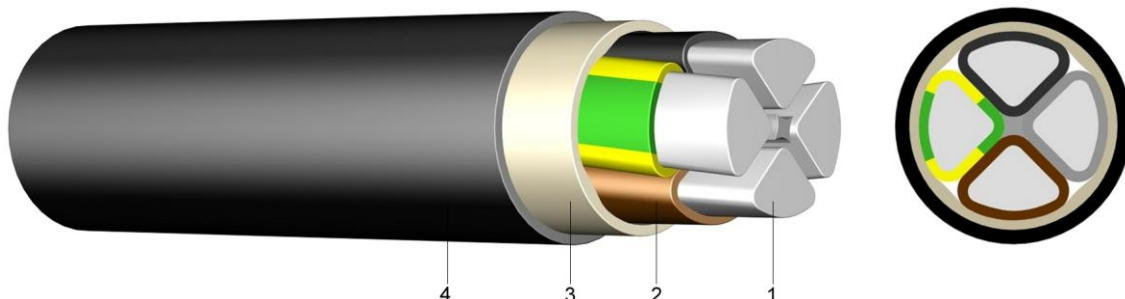


NAYY

PVC Insulated Cable with Aluminium Conductor

Application:

This power cable is suitable for fixed installations, preferably in cable ducts, indoors, outdoors, in water or underground if no mechanical damage is to be expected.



Construction:

- 1 solid (SE) or stranded (RM/SM) aluminium wires
- 2 core insulation of polyvinylchloride (PVC)
- 3 PVC inner sheath (FM)
- 4 outer sheath of polyvinylchloride (PVC), black, UV-resistant

Information:

short circuit temperature at core (max. 5 sec.)
 <=300mm² --> 160°C
 >300mm² --> 140°C

Standards:

DIN VDE 0276-603
 HD 603 S1
 DIN EN 60228 class 1 and 2 (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		- 5°C till +70°C
	fixed		-20°C till +70°C
Bending radius	single-core style	x diameter	15
	multi-core style	x diameter	12
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section	from stock		Aluminium figure	Overall diameter	Weight	Current carrying capacity ground	Current carrying capacity air
	J	O					
mm ²			kg/km	appr. mm	appr. kg / km	A	A
1 x 16 RE	○	○	49	11	161	81	65
1 x 25 RM	●	○	74	11	174	106	87
1 x 35 RM	●	●	103	12	209	127	107
1 x 50 RM	●	●	147	14	282	151	131
1 x 70 RM	○	●	206	16	363	185	166
1 x 95 RM	●	●	279	18	520	222	205
1 x 120 RM	●	●	353	19	557	253	239
1 x 150 RM	●	●	441	21	674	284	273
1 x 185 RM	●	●	544	24	826	322	317
1 x 240 RM	●	●	706	26	1.052	375	378
1 x 300 RM	●	●	882	29	1.282	425	437
1 x 400 RM	○	●	1.200	32	1.598	487	513
1 x 500 RM		●	1.510	36	2.022	558	600
1 x 630 RM		●	1.900	40	2.200	635	701



Number of cores and nominal cross section	from stock		Aluminium figure kg/km	Overall diameter appr. mm	Weight appr. kg / km	Current carrying capacity ground A	Current carrying capacity air A
	J	O					
4 x 16 RE	●	○	196	22	679	101	78
4 x 25 RE	●	○	294	27	887	102	82
4 x 35 RE	●		412	29	796	123	100
4 x 50 SE	●		588	31	1.017	144	119
4 x 70 SE	●		823	34	1.312	179	152
4 x 95 SE	●		1.140	40	1.698	215	186
4 x 120 SE	●		1.440	42	2.459	245	216
4 x 150 SE	●		1.764	51	2.594	275	246
4 x 185 SE	●		2.176	54	3.777	313	285
4 x 240 SE	●		2.822	60	4.106	364	338
4 x 35 RE	●		412	29	796	123	100
4 x 50 SM	○	○	588	31	1.017	144	119
4 x 70 SM	○		823	34	1.312	179	152
4 x 95 SM	○	○	1.117	40	1.698	215	186
4 x 120 SM	○		1.411	42	2.459	245	216
4 x 150 SM		○	1.764	51	2.594	275	246
4 x 185 SM	○	○	2.176	54	3.777	313	285
4 x 240 SM	●	○	2.822	60	4.106	364	338
4 x 300 SM	●		3.528	63	5.800	419	400
5 x 10 RE	●		147	20	520	63	45
5 x 16 RE	●		235	25	858	81	65
5 x 25 RM	●		368	29	1.214	102	81
5 x 35 RM	●		515	32	1.453	121	99
5 x 50 RM	●		735	35	1.855	144	119
5 x 70 RM	●		1.029	40	2.351	179	152
5 x 95 RM	●		1.397	45	3.071	215	186
5 x 120 RM	●		1.764	49	3.631	245	216
5 x 150 RM	●		2.218	58	4.800	275	246
5 x 185 RM	●		2.736	62	5.445	313	285
5 x 240 RM	●		3.530	71	6.950	364	338