

# Current ratings for NYY, NAYY, NYCY, NYCWY, NAYCWY 0,6/1 kV

Current carrying capacity in Ampere (A), laying **in ground** (20° C)

Nominal Cross-section mm <sup>2</sup>	Copper conductor					Aluminium conductor				
	NYY			NYCWY		NAYY			NAYCWY	
1,5	30	27	41	31	27	-	-	-	-	-
2,5	39	36	55	40	36	-	-	-	-	-
4	50	47	71	51	47	-	-	-	-	-
6	62	59	90	63	59	-	-	-	-	-
10	83	79	124	84	79	-	-	-	-	-
16	107	102	160	108	102	-	-	-	-	-
25	138	133	208	139	133	106	102	160	108	103
35	164	159	250	166	160	127	123	193	129	123
50	195	188	296	196	190	151	144	230	153	145
70	238	232	365	238	234	185	179	283	187	180
95	286	280	438	281	280	222	215	340	223	216
120	325	318	501	315	319	253	245	389	252	246
150	365	359	563	347	357	284	275	436	280	276
185	413	406	639	385	402	322	313	496	314	313
240	479	473	746	432	463	375	364	578	358	362
300	541	535	848	473	518	425	419	656	397	415
400	614	613	975	521	579	487	484	756	441	474
500	693	687	1125	574	624	558	553	873	489	528
630	777	-	1304	636	-	635	-	1011	539	-
800	859	-	1507	-	-	716	-	1166	-	-
1000	936	-	1715	-	-	796	-	1332	-	-

<sup>1)</sup> Rated current for direct current systems with a far-distanced return conductor

Current carrying capacity in Ampere (A), laying **in air** (30° C)

Nominal Cross-section mm <sup>2</sup>	Copper conductor					Aluminium conductor				
	NYY			NYCWY		NAYY			NAYCWY	
1,5	21	19,5	27	22	19,5	-	-	-	-	-
2,5	28	25	35	29	26	-	-	-	-	-
4	37	34	47	39	34	-	-	-	-	-
6	47	43	59	49	44	-	-	-	-	-
10	64	59	81	67	60	-	-	-	-	-
16	84	79	107	89	80	-	-	-	-	-
25	114	106	144	119	108	87	82	110	91	83
35	139	129	176	146	132	107	100	135	112	101
50	169	157	214	177	160	131	119	166	137	121
70	213	199	270	221	202	166	152	210	173	155
95	264	246	334	270	249	205	186	259	212	189
120	307	285	389	310	289	239	216	302	247	220
150	352	326	446	350	329	273	246	345	280	249
185	406	374	516	399	377	317	285	401	321	287
240	483	445	618	462	443	378	338	479	374	339
300	557	511	717	519	504	437	400	555	426	401
400	646	597	843	583	577	513	472	653	488	468
500	747	669	994	657	626	600	539	772	556	524
630	858	-	1180	744	-	701	-	915	628	-
800	971	-	1396	-	-	809	-	1080	-	-
1000	1078	-	1620	-	-	916	-	1258	-	-

<sup>1)</sup> Rated current for direct current systems with a far-distanced return conductor

## Conversion factors for multicore cable (≥5 cores)

The conversion factors are to be used for laying the cables in ground or in air, to the values given in above tables.

Number of loaded cores n	laying in ground f	laying in air f
5	0,70	0,75
7	0,60	0,65
10	0,50	0,55
14	0,45	0,50
19	0,40	0,45
24	0,35	0,40
40	0,30	0,35
61	0,25	0,30

Note: valid for cross-section 1,5 to 10 mm<sup>2</sup>

