




**Table 6: Current Ratings (AC) -  $U_0 / U$  0.6 / 1 kV  
Copper conductors laid in single way ducts**

Nominal cross-sectional area  nom. (mm <sup>2</sup> )	 <sup>1)</sup>		 <sup>2)</sup>		 <sup>2)</sup>	
	PVC (A)	XLPE (A)	PVC (A)	XLPE (A)	PVC (A)	XLPE (A)
1.5	35	41	23	26	26	28
2.5	47	54	31	34	33	36
4	60	70	39	44	43	46
6	77	87	49	54	53	57
10	105	116	66	73	71	76
16	136	150	86	94	91	98
25	177	195	112	123	117	126
35	213	234	135	148	139	150
50	252	277	160	175	166	178
70	310	340	197	216	202	218
95	372	408	238	259	243	261
120	426	466	270	296	276	297
150	479	524	305	333	310	334
185	543	594	345	377	351	378
240	634	693	402	439	407	439
300	718	785	455	497	485	494
400	829	905	521	570	522	563
500	956	1044	581	643	589	637
630	1108	1208	-----	-----	660	717
800	1281	1392	-----	-----	730	795
1000	1458	1590	-----	-----	796	869

<sup>1)</sup> Current in DC circuits with return conductor far away.

<sup>2)</sup> For auxiliary and multicore cables with 4-cores fully loaded.

**Basic assumption and conditions of installation:**

Thermal resistivity of soil: 1.0 Km/W  
 Standard ground temperature: 20 °C  
 Loading factor: 0.7  
 Depth of burial: 0.7 – 1.2 m  
 No. of cable systems: 1  
 (VDE 0298)

The term "ducts" means fibre, ferrous or earthenware pipes. In case of single core cables for use in AC-systems, ferrous ducts should not be applied.