





**Table 4: Current Ratings (AC) - U<sub>0</sub> / U 0.6 / 1 kV  
Copper conductors laid in air**

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)	PVC (A)	XLPE (A)
1.5	27	33	20	24	21	27		
2.5	35	43	26	32	28	36		
4	47	57	34	42	37	47		
6	59	72	43	53	47	59		
10	81	99	59	73	64	81		
16	107	131	78	97	84	109		
25	144	177	105	132	114	146		
35	176	217	129	162	139	179		
50	214	265	157	197	169	218		
70	270	336	199	250	213	275		
95	334	415	246	308	264	336		
120	389	485	285	359	307	388		
150	446	557	326	412	352	438		
185	516	647	374	475	406	501		
240	618	775	445	564	483	580		
300	711	894	510	649	552	649		
400	843	1061	597	761	646	734		
500	994	1254	663	860	747	827		
630	1180	1486	-----	-----	858	934		
800	1396	1751	-----	-----	971	-----		
1000	1620	2044	-----	-----	1078	-----		

<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:**

Ambient temperature: 30 °C  
 Distance between cables: 2 x overall diameter  
 Loading factor: 1.0  
 Distance between cables and walls, ground or ceiling: 2 cm  
 Distance between systems (one upon another) : 30 cm  
 Distance between cables(side by side): 2 x overall diameter  
 Distance between cables(one upon another): 2 x overall diameter  
 (VDE 0298)