

# Current ratings for silicone cables and wires

The indicated values stated in the following table are considered as guiding values. These are to be selected each particularly for the individual application.

Heat-resistance at an ambient **temperature up to 150°C**

Nominal-cross-section	Group 1		Group 2		Group 3	
	current-carrying capacity A	protective fuse A	current-carrying capacity A	protective fuse A	current-carrying capacity A	protective fuse A
0,25	2,8	–	–	–	5	–
0,5	6	–	7	–	10	–
0,75	9	6	12	6	15	10
1,0	12	10	15	10	19	20
1,5	16	16	18	16	24	25
2,5	21	20	26	25	32	35
4	28	25	34	35	42	50
6	36	35	44	50	54	63
10	49	50	61	63	73	80
16	65	63	82	80	98	100
25	85	83	108	100	129	125
35	105	100	135	–	158	160
50	140	125	168	–	198	200
70	175	160	207	–	245	250
95	210	200	250	–	292	300
120	250	250	292	–	344	335
150	–	–	335	–	391	–
185	–	–	382	–	448	–
240	–	–	453	–	528	–
300	–	–	523	–	608	–

**Group 1:** One or more single core cables laid in duct.

**Group 2:** Multicore cables, flexible cables laid in open or ventilated conduits.

**Group 3:** Single core cables laid in open air with a spacing at least equal to cable diameter.

Power ratings for

**ambient temperature over 150°C**

The following conversion factors are valid:

Temperature °C	current-carrying capacity values in %
up to 150	100
over 150 to 155	91
over 155 to 160	82
over 160 to 165	71
over 165 to 170	58
over 170 to 175	41