

CURRENT CARRYING CAPACITY OF SINGLE CONDUCTORS (AMPS)

CONDUCTOR	POLYETHYLENE NEOPRENE POLYURETHANE Semi-Rigid PVC at 80°C	POLYPROPYLENE High Density POLYETHYLENE at 90°C	Irradiated PVC NYLON at 105°C	<u>KYNAR Crosslinke</u> d PE TPE-s at 125°C	KAPTON TEFLON SILICONE at 200°C
30 AWG	2	3	3	3	4
28 AWG	3	4	4	5	6
26 AWG	4	5	5	6	7
24 AWG	6	7	7	8	10
22 AWG	8	9	10	11	13
20 AWG	10	12	13	14	17
18 AWG	15	17	18	20	24
16 AWG	19	22	24	26	32
14 AWG	27	30	33	40	45
12 AWG	36	40	45	50	55
10 AWG	47	55	58	70	75
8 AWG	65	70	75	90	100
6 AWG	95	100	105	125	135
4 AWG	125	135	145	170	180
2 AWG	170	180	200	225	240

De-rating Bundled Conductors (to account for inhibited heat dissipation): when multiple insulated conductors are bundled together, multiply the ampacity by 0.8 for 2-5 conductors; 0.7 for 6-15 conductors; or 0.5 for 16-30 conductors.