



POWER CABLE 1000 VOLTS

Single-Copper Conductor, XLPE insulated/ PVC Jacket



Size	Conductor		Nom. Insulation Thickness	Diameter Over Insulation	Nom. Jacket Thickness	Overall Diameter	Max. conductor resistance @ 20 °C	Ampacity
	Constr'n.	Diameter						
mm ²	No. / mm	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	A
8	7 / 1.20	3.60	1.40	6.39	0.76	7.91	2.30	75
14	7 / 1.60	4.80		7.59		9.11	1.29	110
22	7 / 2.00	6.00		8.79		10.31	0.818	145
30	7 / 2.30	6.90		9.69		11.21	0.618	165
38	19 / 1.60	8.00	1.65	11.30	1.14	13.58	0.470	195
50	19 / 1.80	9.00		12.30		14.58	0.376	235
60	19 / 1.20	10.00		13.30		15.58	0.301	265
80	19 / 2.30	11.50		14.80		17.08	0.228	325
100	19 / 2.60	13.00		16.30		18.58	0.178	380
125	37 / 2.10	14.70		1.91		18.51	1.65	21.81
150	37 / 2.30	16.10	19.91		23.21	0.118		505
200	37 / 2.60	18.20	22.01		25.31	0.092		590
250	37 / 2.95	20.65	24.47		27.77	0.0709		685
325	61 / 2.60	23.40	2.29	27.98	1.65	31.28	0.0560	800
400	61 / 2.90	26.10		30.68		33.98	0.0450	890
500	61 / 3.20	28.80		33.38		36.68	0.0370	1020

Ampacities are based on insulated single copper conductor isolated in air, based on conductor temperature of 90°C and ambient air temperature of 30°C per Table 3.10.2.6(B)(17) PEC Part 1, 2017 Edition



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