



S.M.C

Two Core Aluminum, PVC Insulated Armored /Unarmored Cables

Current Rating & Voltage drop for cables & wires Up to and Including 600/1000V

Nominal Area of Conductor	In Air				In Ground		In Duct		Voltage drops	
	Unarmored		Armored		Armored		armored		at 70°C	at 85°C
	at 70°C	at 85°C	at 70°C	at 85°C	at 70°C	at 85°C	at 70°C	at 85°C		
Sqmm	A				A		A		V/A/Km	V/A/Km
16	70	80	73	83	87	97	71	79	4.6	4.8
25	90	103	92	105	112	125	92	102	2.89	3.02
35	109	124	112	128	136	151	109	121	2.09	2.21
50	134	153	136	156	159	177	131	146	1.55	1.63
70	169	194	174	199	199	222	162	180	1.08	1.13
95	209	239	213	244	238	265	194	215	0.79	0.82
120	241	276	241	276	261	291	227	253	0.63	0.66
150	276	315	276	315	299	332	251	279	0.52	0.54
185	316	362	316	362	342	380	288	319	0.42	0.44
240	374	427	374	427	397	441	330	368	0.34	0.35
300	419	478	419	478	441	489	365	404	0.28	0.30
400	482	551	482	551	478	531	418	466	0.24	0.25

Installation conditions for above Rating:

Maximum Conductor Temp. for PVC Type 5 Insulation 85 °C Maximum

Conductor Temp. for PVC T11/Type A Insulation 70 °C

Ambient Air Temperature 30 °C

Ground Temperature Depth of Laying

Thermal resistivity of soil