



Single core Copper, PVC insulated, armored /unarmored cables
 Current rating and voltage drop for cables & wires Up to and including 600/1000V
 Three Single Cores in trefoil touching

Nominal Area of Conductor	In Air				In Ground		In Duct		Voltage drops of 3 single core cables	
	Unarmored		Armored		Armored		Armored		at 70°C	at 85°C
	at 70°C	at 85°C	at 70°C	at 85°C	at	at 85°C	at 70°C	at 85°C		
Sqmm	A				A		AA		V/A/Km	V/A/Km
16	22	26	22	26	27	31	25	29	26.3	26.3
2.5	31	36	31	36	37	42	35	40	16.1	16.1
4	41	48	41	48	49	56	45	51	10.0	10.0
6	50	59	50	59	61	70	57	65	6.7	6.7
10	69	81	69	81	61	92	76	86	4.0	4.0
16	94	108	94	108	106	118	100	111	2.4	2.5
25	126	144	126	144	137	152	132	146	1.52	1.59
35	150	172	150	172	162	180	151	168	1.10	1.16
50	172	197	181	207	193	215	189	211	0.83	0.86
70	218	249	228	261	236	263	230	255	0.59	0.61
95	272	312	280	321	283	315	269	300	0.44	0.46
120	316	363	325	373	321	358	296	331	0.37	0.38
150	364	415	371	423	358	396	326	360	0.31	0.33
185	423	484	424	485	402	447	357	396	0.27	0.28
240	504	577	498	571	462	515	399	444	0.23	0.24
300	581	666	570	653	516	575	437	487	0.21	0.21
400	678	777	647	742	571	636	465	517	0.19	0.19
500	780	887	728	828	628	694	497	551	0.18	0.18
630	897	1017	815	924	687	757	536	591	0.16	0.17
800	1016	1152	879	997	720	794	559	616	0.16	0.16
1000	1131	1283	948	1075	759	837	591	654	0.15	0.16

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 20°C

Depth of Laying 0.5m

Thermal resistivity of soil 1.2 K.m/w