



S.M.C

Single core aluminum, XLPE insulated armored / unarmored cables.

Current rating and voltage drop for cables & wires up to and including 600/1000V

Nominal Area of Conductor	In Air		In Ground	In Duct	Voltage drop of 3 single core cables Trefoil
	Single core in Trefoil		Single core Trefoil	Single core Trefoil	
	Unarmored	Armored	Armored	Armored	
Sqmm	A		A	A	V/A/Km
4	37	37	44	42	16.5
6	48	48	55	51	10.2
10	65	65	73	70	6.8
16	88	88	95	89	4.2
25	115	115	123	116	2.70
35	144	144	144	139	1.93
50	157	165	172	173	1.44
70	201	210	211	210	1.0
95	249	257	253	247	0.73
120	289	299	288	280	0.59
150	334	344	322	306	0.49
185	389	397	364	340	0.40
240	465	470	420	385	0.32
300	539	538	472	426	0.27
400	594	594	534	481	0.25
500	656	656	606	546	0.21
630	744	744	688	620	0.19
800	842	842	779	703	0.18
1000	946	946	872	788	0.17

Operating Conditions

Ambient Air temperature: 30 °C

Ground Temperature: 20 °C

Depth of Laying: 0.5 m

Thermal Resistivity of soil: 1.2 K.m/W