



S.M.C

Two 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 Sqmm	In Air		In Ground	In Duct	Voltage drops V/A/Km
	Unarmored	Armored	Armored	Armored	
	A		A	A	
1.5	22	22	25	21	-
2.5	29	29	35	28	-
4	37	37	44	63	19.0
6	48	48	55	46	11.8
10	65	65	76	61	7.9
16	98	89	105	86	4.8
25	110	110	134	108	3.10
35	135	135	160	131	2.23
50	163	163	191	156	1.65
70	209	209	234	191	1.15
95	257	257	280	231	0.84
120	287	287	301	262	0.67
150	328	328	344	289	0.55
185	376	376	394	331	0.45
240	444	444	459	380	0.35
300	499	499	509	420	0.30
400	573	573	556	480	0.25

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