



S.M.C

Three/Four Core Copper, 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 drops
	Unarmored	Armored	Armored	Armored	
Sqmm	A		A	A	V/A/Km
1.5	23	24	32	25	26.7
2.5	33	33	41	33	16.4
4	41	45	53	44	10.2
6	54	56	67	54	6.8
10	71	78	89	73	4.0
16	101	101	115	94	2.5
25	128	133	148	121	1.65
35	157	163	177	145	1.15
50	192	199	211	172	0.87
70	244	250	259	211	0.60
95	300	309	310	255	0.45
120	351	357	353	292	0.37
150	403	409	394	329	0.30
185	465	471	445	372	0.26
240	554	556	514	429	0.21
300	639	633	575	483	0.19
400	742	728	649	554	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