



# S.M.C

## Two Core Copper, XLPE insulated Armored / Unarmored cables

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

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	27	29	37	31	30.9
2.5	37	39	47	40	18.9
4	48	52	63	52	11.8
6	61	67	79	66	7.9
10	82	90	106	87	4.7
16	118	120	137	112	2.9
25	149	156	177	144	1.90
35	184	193	212	173	1.35
50	223	232	252	205	1.00
70	283	292	308	253	0.70
95	350	360	371	304	0.52
120	409	416	420	347	0.42
150	467	353	471	390	0.35
185	542	548	531	442	0.29
240	658	647	615	512	0.24
300	745	738	688	575	0.21
400	867	849	776	650	0.20

### 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