



S.M.C

Single Core Cables

AL/PVC/PVC/AWA/PVC

600/1000 V - SINGLE
CORE ALUMINUM CONDUCTOR PVC
INSULATED ALUMINUM WIRE ARMoured
PVC SHEATHED CABLES
(AL/PVC/PVC/AWA/PVC)



Nominal Area of Conductor	Maximum Conductor Resistance 20°C	Thickness of Insulation	Thickness of Extruded Bedding	Armor Wire Diameter	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross weight
Sqmm	Ohm/Km	mm	mm	mm	mm	mm	Kg/Km	Meter ± 5%		Kg
50*	0.641	1.4	1.0	1.6	1.8	20.6	580	500	D-10	350
70*	0.443	1.4	1.0	1.6	1.8	22.4	700	500	D-11	450
95*	0.320	1.6	1.0	1.6	1.8	24.6	845	500	D-12	535
120	0.253	1.6	1.0	1.6	1.8	26.0	955	500	D-12	590
150	0.206	1.8	1.0	1.6	1.8	27.8	1100	500	D-12	660
185	0.164	2.0	1.0	1.6	1.8	29.9	1280	500	D-12	750
240	0.125	2.2	1.0	1.6	1.9	33.0	1560	500	D-16	990
300	0.100	2.4	1.2	2.0	2.0	36.7	1970	500	D-18	1230
400	0.0778	2.6	1.2	2.0	2.1	40.4	2370	500	D-18	1430
500	0.0605	2.8	1.2	2.0	2.2	43.9	2830	500	D-18	1660
630	0.0469	2.8	1.2	2.0	2.4	50.4	3570	250	D-16	1130
800	0.0367	2.8	1.4	2.5	2.5	56.3	4480	250	D-18	1360
1000	0.0291	3.0	1.4	2.5	2.7	61.6	5410	250	D-18	1590

All conductor's circular stranded or circular stranded compacted (Class 2).

All the Cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC. Type 9/ST2 compound or PVC type A/TI1 compound and sheathed with PVC type ST1/TM1 compound.

Color of insulation and sheath black.

Cables conform to IEC 60502 -1 and generally to BS 6346.

* Wire diameter are larger than those specified in BS 6346.



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