



# S.M.C

## SINGLE CORE CABLES 6.35/11 KV (CU/SC/XLPE/SC/A WA/PVC)

6.35/11 KV –

SINGLE CORE

(HIGHEST SYSTEM VOLTAGE - 12 KV) COPPER CONDUCTOR XLPE INSULATED ALUMINIUM WIRE

ARMOURED PVC SHEATHED CABLES

(CU/SC/XLPE/SC/AWA/PVC)



Nominal Area of Conductor	Maximum Conductor Resistance 20°C	Thickness of XLPE Insulation	Thickness of Bedding (Semi conducting) Tape	Dia. of Armour Wire	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
35	0.524	3.4	0.4	1.6	1.8	26.0	950	500	D-12	585
50	0.387	3.4	0.4	1.6	1.8	27.0	1110	500	D-12	660
70	0.268	3.4	0.4	1.6	1.8	28.0	1340	500	D-12	780
95	0.193	3.4	0.4	1.6	1.9	30.5	1670	500	D-14	985
120	0.153	3.4	0.4	1.6	1.9	32.0	1940	500	D-14	1120
150	0.124	3.4	0.4	1.6	2.0	33.6	2280	500	D-16	1350
185	0.0991	3.4	0.4	2.0	2.0	36.0	2730	500	D-18	1600
240	0.0754	3.4	0.4	2.0	2.1	39.0	3340	500	D-18	1910
300	0.0601	3.4	0.4	2.0	2.2	40.9	3990	500	D-18	2240
400	0.0470	3.4	0.4	2.0	2.3	44.0	4930	500	D-18	2710
500	0.0366	3.4	0.4	2.5	2.4	48.2	6150	500	D-19	3390
630	0.0283	3.4	0.4	2.5	2.5	52.2	7560	500	D-19	4100

All conductors circular compacted.

Equivalent voltage designation as per IEC: 60502- 2- : 6/10 KV

Cables conform to IEC 60502 - 2.



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