



S.M.C

SINGLE CORE CABLES 19/33 KV (CU/SC/XLPE/SC/CUT /PVC/AWA/PVC)

19/33 KV –

SINGLE CORE

(HIGHEST SYSTEM VOLTAGE - 36 KV) COPPER CONDUCTOR XLPE INSULATED COPPER TAPE

SCREENED ALUMINIUM WIRE ARMoured PVC SHEATHED CABLES

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



Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of XLPE Insulation	Thickness of Copper Tape	Thickness of Extruded Bedding	Dia of Armor 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	mm	Kg/Km	Meter ± 5%		Kg
50	0.387	8.0	0.075	1.2	2.0	2.2	39.4	2050	500	D-18	1270
70	0.268	8.0	0.075	1.2	2.0	2.2	41.0	2330	500	D-18	1410
95	0.193	8.0	0.075	1.2	2.0	2.3	43.1	2710	500	D-18	1600
120	0.153	8.0	0.075	1.2	2.0	2.3	44.6	3020	500	D-18	1750
150	0.124	8.0	0.075	1.3	2.5	2.4	47.4	3570	500	D-19	2110
185	0.0991	8.0	0.075	1.3	2.5	2.5	49.2	3990	500	D-19	2320
240	0.0754	8.0	0.075	1.3	2.5	2.5	51.7	4670	500	D-19	2660
300	0.0601	8.0	0.075	1.4	2.5	2.6	54.1	5410	500	D-21	3130
400	0.0470	8.0	0.075	1.4	2.5	2.7	57.2	6430	500	D-22	3690
500	0.0366	8.0	0.075	1.5	2.5	2.8	60.6	7620	500	D-22	4280
630	0.0283	8.0	0.075	1.6	2.5	2.9	64.8	8935	500	D21M	4890

All conductors circular compacted.

Equivalent voltage designation as per IEC 60502 - 2 :18/30 KV.

Cables conform to IEC 60502 - 2