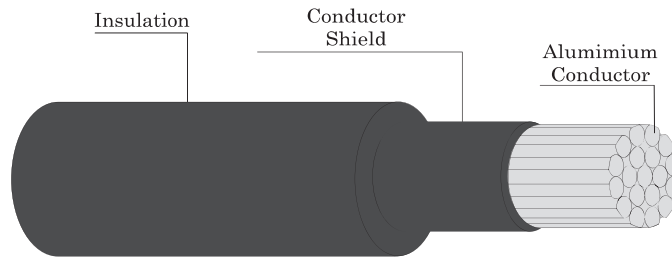


33KV 90°C PARTIAL INSULATED CABLE

ICEA S-66-524
ICEA S-93-639



CABLE STRUCTURE

- Conductor** : Compact round stranded hard drawn aluminium wires
- Conductor Screen** : Semi-Conductive Cross-linked polyethylene (XLPE) compound
- Insulation** : Black Cross-linked polyethylene (XLPE)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 33,000 Volts
- Testing voltage** : 17,000 Volts
- Reference standard** : ICEA S-66-524, ICEA S-93-639

APPLICATION

For aerial power transmission and distribution line

Nominal cross sectional area (mm ²)	Number of wire minimum (No.)	Diameter of Conductor Approx. (mm)	Insulation thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 15.6°C minimum (MΩ-km)	Breaking strength of conductor minimum (N)	Continuous current rating in free air at 40°C maximum (A)	Cable weight approx. (kg/km)	Standard Length (m)
35	6	7.05	3.0	14.5	0.868	1,350	5,591	145	220	1000/D
50	6	8.11	3.2	16.5	0.641	1,300	7,313	175	280	1000/D
70	12	9.73	3.2	18.0	0.443	1,200	10,420	220	350	1000/D
95	15	11.43	3.5	20.0	0.320	1,100	14,098	270	460	1000/D
120	15	13.05	3.6	22.0	0.253	1,000	18,518	315	550	1000/D
150	15	14.37	3.6	23.0	0.206	950	22,457	360	650	1000/D
185	30	16.08	3.9	26.0	0.164	900	28,974	415	800	1000/D

D : Packing in Drum

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