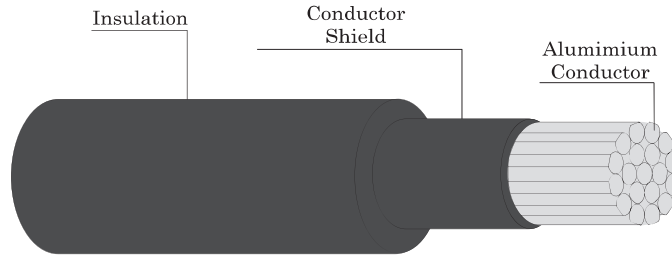


24KV 90°C PARTIAL INSULATED CABLE



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

CABLE STRUCTURE

Conductor : Compact round stranded hard drawn aluminium wires
Sizes 35 mm² up to 185mm²

Conductor Screen : Semi-Conductive Cross-linked polyethylene (XLPE) compound-linked

Insulation : Black Cross-linked polyethylene (XLPE)

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 24,000 Volts

Testing voltage : 11,000 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	1.8	12.0	0.868	900	5,591	140	170	1000/D
50	6	8.11	2.2	14.0	0.641	880	7,313	170	220	1000/D
70	12	9.73	2.1	15.0	0.443	800	10,420	215	290	1000/D
95	15	11.43	2.5	18.0	0.320	750	14,098	270	400	1000/D
120	15	13.05	2.6	19.5	0.253	700	18,518	310	490	1000/D
150	15	14.37	2.6	21.0	0.206	650	22,457	355	550	1000/D
185	30	16.08	2.55	23.0	0.164	600	28,974	410	700	1000/D

D : Packing in Drum

