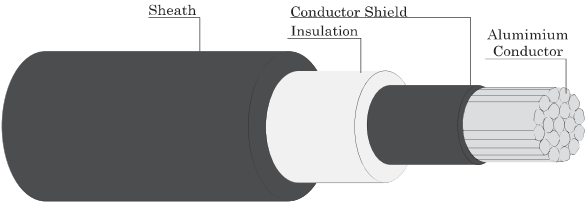


25KV 90°C SPACED AERIAL CABLE

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



CABLE STRUCTURE

Conductor : Compact round stranded hard drawn aluminium wires
Sizes 35 mm² up to 240 mm²

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

Insulation : Cross-linked polyethylene (XLPE)

Sheath : Black Cross-linked polyethylene (XLPE)

TECHNICAL DATA

Classification : Maximum conductor temperature 90 °C
: Circuit voltage not exceeding 25,000 Volts

Testing voltage : 38,000 Volts

Reference standard : ICEA S-66-524, ICEA S-93-639

APPLICATION

For aerial power transmission and distribution line

Nominal cross sectional area	Number of wire minimum	Diameter of Conductor Approx.	Insulation thickness nominal	Sheath thickness nominal	Overall diameter approx.	Conductor resistance at 20°C maximum	Insulation resistance at 15.6°C minimum	Breaking strength of conductor minimum	Continuous current rating in free air at 40°C maximum	Cable weight approx.	Standard Length
(mm ²)	(No.)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(MΩ·km)	(N)	(A)	(kg/km)	(m)
35	6	7.05	3.175	3.175	22	0.868	2,500	5,591	165	400	500/D
50	6	8.11	3.175	3.175	23	0.641	2,250	7,313	199	460	500/D
70	12	9.73	3.175	3.175	25	0.443	2,050	10,420	250	550	500/D
95	15	11.43	3.175	3.175	26	0.320	1,850	14,098	305	650	500/D
120	15	13.05	3.175	3.175	28	0.253	1,700	18,518	353	750	500/D
150	15	14.37	3.175	3.175	29	0.206	1,600	22,457	402	850	500/D
185	30	16.08	3.175	3.175	31	0.164	1,450	28,974	464	1,000	500/D
240	30	18.57	3.175	3.175	33	0.125	1,300	37,506	553	1,200	500/D

D : Packing in Drum