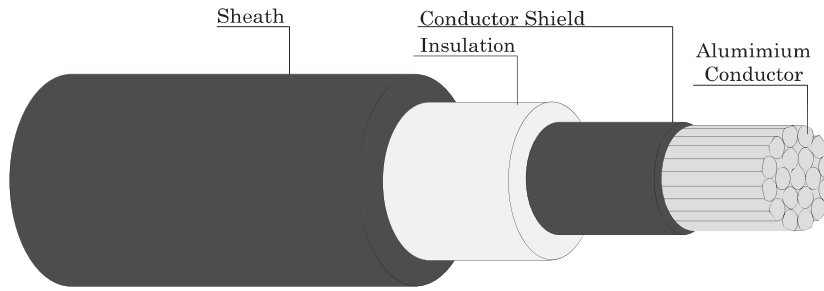


## 35KV 90°C SPACED AERIAL CABLE

ICEA S-66-524

ICEA S-93-639

⚡ TIS 2341-2555



### CABLE STRUCTURE

- Conductor** : Compact round stranded hard drawn aluminium wires
- 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 35,000 Volts
- Testing voltage** : 49,000 Volts
- Reference standard** : ICEA S-66-524, ICEA S-93-639

### APPLICATION

For aerial power transmission and distribution line

Nominal cross sectional area (mm <sup>2</sup> )	Number of wire minimum (No.)	Diameter of Conductor Approx. (mm)	Insulation thickness nominal (mm)	Sheath 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)
50	6	8.11	4.445	3.175	26	0.641	2,500	7,313	200	550	500/D
70	12	9.73	4.445	3.175	27	0.443	2,300	10,420	251	650	500/D
95	15	11.43	4.445	3.175	29	0.320	2,100	14,098	306	750	500/D
120	15	13.05	4.445	3.175	31	0.253	1,950	18,518	355	900	500/D
150	15	14.37	4.445	3.175	32	0.206	1,800	22,457	403	1,000	500/D
185	30	16.08	4.445	3.175	34	0.164	1,690	28,974	464	1,100	500/D
240	30	18.57	4.445	3.175	36	0.125	1,500	37,506	552	1,400	500/D

D : Packing in Drum

