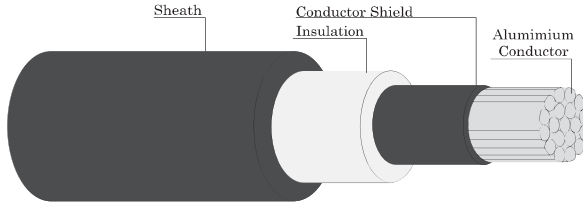


15KV 90°C SPACED AERIAL CABLE

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 15,000 Volts
- Testing voltage** : 27,000 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	1.91	1.91	16.5	0.868	1,750	5,591	164	260	500/D
50	6	8.11	1.91	1.91	18.0	0.641	1,550	7,313	198	320	500/D
70	12	9.73	1.91	1.91	19.5	0.443	1,400	10,420	250	390	500/D
95	15	11.43	1.91	1.91	21.0	0.320	1,250	14,098	306	490	500/D
120	15	13.05	1.91	1.91	23.0	0.253	1,150	18,518	355	600	500/D
150	15	14.37	1.91	1.91	24.0	0.206	1,050	22,457	405	650	500/D
185	30	16.08	1.91	1.91	26.0	0.164	980	28,974	468	800	500/D
240	30	18.57	1.91	1.91	28.0	0.125	850	37,506	560	1000	500/D

D : Packing in Drum

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