

25 kV 90°C SAC

SPACED AERIAL CABLE



Construction

1. Conductor : Compact round stranded hard-drawn aluminium wires
2. Conductor screen : Semi conductive cross-linked polyethylene (XLPE) compound
3. Insulation : Cross-linked polyethylene (XLPE)
4. Jacket : Black cross-linked polyethylene (XLPE)

Reference Standard :

TIS 2341-2555



Classification

Maximum conductor temperature	: 90 °C
Maximum circuit voltage	: 25000 V
AC test voltage	: 38,000 V

Application

- For aerial power transmission and distribution line

Conductor			Thickness of conductor screen	Thickness of insulation	Thickness of jacket	Overall diameter	Conductor resistance at 20°C	Insulation resistance at 15,6°C	Conductor weight	Conductor breaking strength	Current rating in free air at 40°C ambient	Cable weight	Standard length
Cross-sectional area	No. of wires	Diameter of conductor											
mm ² (Nominal)	(Min.)	mm (Approx.)	mm (Average)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	MΩ.km (Min.)	kg/km (Approx.)	N (Min.)	A	kg/km (Approx.)	m/drum
35	6	6.88	0.3	3.18	3.18	21.0	0.868	2,580	94	5,591	150	381	1,500
50	6	7.92	0.3	3.18	3.18	22.0	0.641	2,380	128	7,313	181	438	1,500
70	12	9.55	0.3	3.18	3.18	23.5	0.443	2,126	185	10,420	225	527	1,500
95	15	11.27	0.3	3.18	3.18	25.5	0.320	1,913	256	14,098	275	636	1,500
120	15	12.68	0.3	3.18	3.18	27.0	0.253	1,759	324	18,518	319	734	1,000
150	15	14.05	0.3	3.18	3.18	28.0	0.206	1,648	398	22,457	362	838	1,000
185	30	15.75	0.3	3.18	3.18	30.0	0.164	1,521	500	28,974	418	970	1,000
240	30	18.23	0.3	3.18	3.18	32.5	0.125	1,367	655	37,506	497	1178	1,000