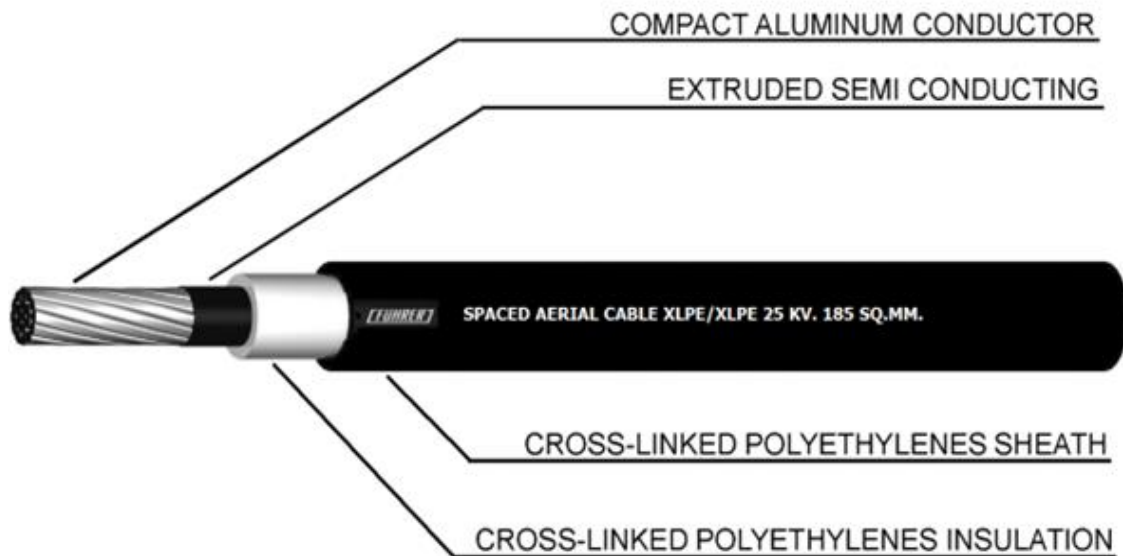


SAC 25 KV

STANDARD

ICEA S-66-524 / PEA / TIS.2341-2564

ALUMINUM STRANDED CONDUCTOR CROSS-LINKED POLYETHYLENE INSULATED AND SHEATHED SPACED AERIAL CABLE



CABLE STRUTURE

NUMBER OF CORE	:	Single core
CONDUCTOR	:	Compact stranded hard drawn Aluminum wire Conductor sizes 35 mm ² up to 240 mm ²
CONDUCTOR SHIELD	:	Semi conducting cross-linked polyethylene
INSULATION	:	Cross-linked polyethylene
SHEATH	:	Track resistant cross-linked polyethylene Colour : Black
CLASSIFICATION	:	Normal operation 90°C Emergency overload conditions 130°C Short circuit conditions 250 °C Voltage rating 25 kV. (Phase to Phase)
TESTING VOLTAGE	:	38 kV for 5 minutes
REFERENCE	:	ICEA S-66-524 / PEA / TIS.2341-2564 (T1)



SAC 25 KV

STANDARD

ICEA S-66-524 / PEA / TIS.2341-2564

ALUMINUM STRANDED CONDUCTOR CROSS-LINKED POLYETHYLENE INSULATED AND SHEATHED SPACED AERIAL CABLE

Number of core	Nominal cross sectional area (mm ²)	Minimum number of wire (no.)	Diameter of conductor approx (mm.)	Thickness of insulation (mm.)	Thickness of sheath (mm.)	Overall Diameter (approx) (mm.)	Maximum DC conductor resistance at 20°C (Ω-KM)	Minimum breaking strength of conductor (N)	Minimum insulation resistance at 15.6°C (MΩ-KM)	Allowable current amp cities in free air at 40°C (A)	Cable weight (approx) (Kg/Km)	Standard length (m/d)
1	35	6	6.96	3.18	3.18	20.88	0.868	5,591	2,010	165	390	1,000/ D
	50	6	8.00	3.18	3.18	22.20	0.641	7,313	1,820	200	440	1,000/ D
	70	15	9.80	3.18	3.18	23.72	0.443	10,420	1,570	250	540	1,000/ D
	95	15	11.45	3.18	3.18	25.37	0.320	14,098	1,390	305	640	1,000/ D
	120	15	12.95	3.18	3.18	26.87	0.253	18,518	1,265	355	740	1,000/ D
	150	15	14.20	3.18	3.18	28.12	0.206	22,457	1,175	405	850	1,000/ D
	185	30	15.98	3.18	3.18	29.90	0.164	28,974	1,065	465	990	1,000/ D
	240	30	18.47	3.18	3.18	32.39	0.125	37,506	945	555	1190	1,000/ D

D : Packing in drum

