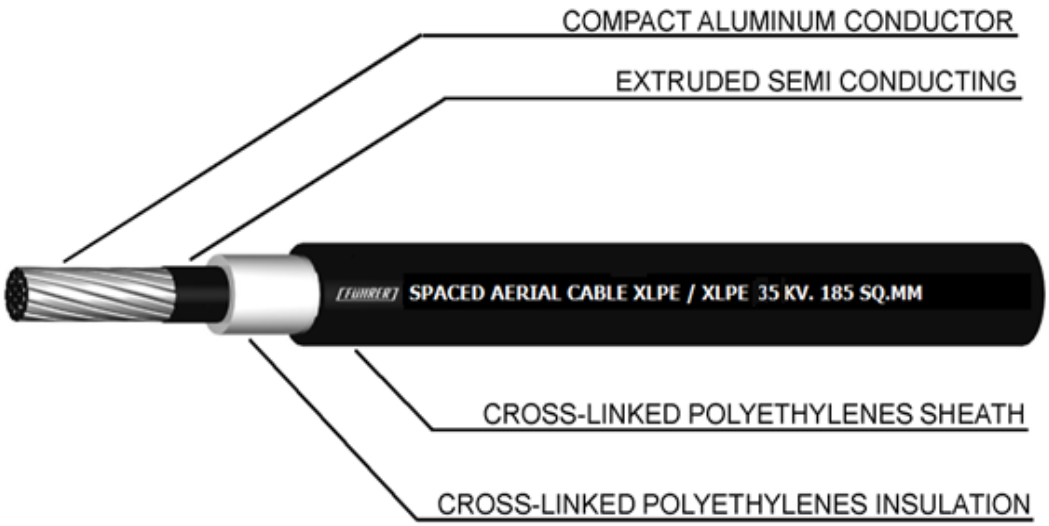
SAC 35 KV

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 50 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 35 kV. (Phase to Phase)
TESTING VOLTAGE	:	49 kV for 5 minutes
REFERENCE	:	ICEA S-66-524 / PEA / TIS.2341-2564 (T3)

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AND SHEATHED SPACED AERIAL CABLE

Number of core	Nominal cross sectional area	Minimum number of wire	Diameter of conductor approx	Thickness of insulation	Thickness of sheath	Overall Diameter (approx)	Maximum DC conductor resistance at 20°c	Minimum breaking strength of conductor	Minimum insulation resistance at 15.6°c	Allowable current amp cities in free air at 40°c	Cable weight (approx)	Standard length
	(mm^2)	**(no.)**	**(mm.)**	**(mm.)**	**(mm.)**	**(mm.)**	**(Ω-KM)**	**(N)**	**(MΩ-KM)**	**(A)**	**(Kg/Km)**	**(m/d)**
1	50	6	8.00	4.45	3.18	24.93	0.641	7,313	2,225	200	540	1,000/ D
	70	6	9.80	4.45	3.18	26.26	0.443	10,420	1,930	255	640	1,000/ D
	95	15	11.45	4.45	3.18	27.91	0.320	14,098	1,725	305	740	1,000/ D
	120	15	12.95	4.45	3.18	29.41	0.253	18,518	1,665	355	890	1,000/ D
	150	15	14.20	4.45	3.18	30.66	0.206	22,457	1,470	405	990	1,000/ D
	185	30	15.98	4.45	3.18	32.44	0.164	28,974	1,340	465	1,090	1,000/ D
	240	30	18.47	4.45	3.18	34.93	0.125	37,506	1,195	555	1,390	1,000/ D

D : Packing in drum