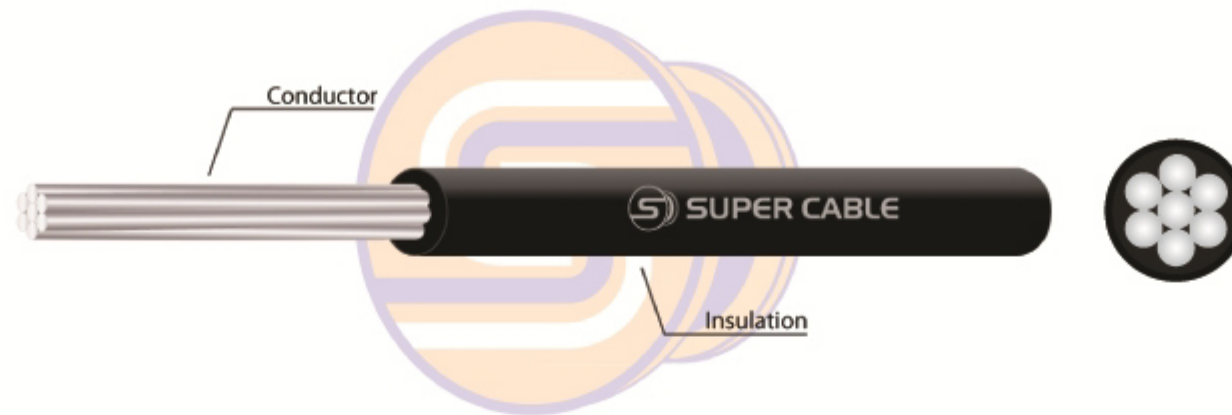


THWA

750 V. 70°C STRANDED ALUMINIUM CONDUCTOR,
PVC INSULATED, SINGLE CORE



APPLICATION

For low voltage overhead distribution line.

TESTING VOLTAGE : 2,500 Volts

REFERENCE STANDARD :

TIS 293-2541 Table 1

CABLE STRUCTURE

CONDUCTOR : Solid and stranded hard drawn aluminium wires

CLASS 2 Size 10 - 500 mm²

INSULATION : Polyvinyl chloride

CORE IDENTIFICATION :

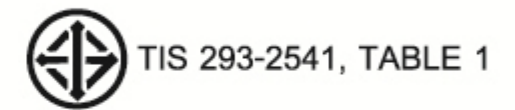
Single core, Black color or as request

CLASSIFICATION

Maximum Conductor Temperature :70°C

Circuit Voltage dose not exceed 750 Volts

Technical Data



Nominal cross sectional area	Conductor type	Number of wires	Diameter of wires	Nominal insulation thickness	Overall diameter (approx.)	Maximum conductor resistance at 20°C	Minimum insulation resistance at 70°C	Minimum breaking strength of conductor	Current rating in free air at 40°C	Cable weight (approx.)	Standard packing
mm ²	Class	No.	mm	mm	mm	Ω/km	MΩ-km	N	A	kg/km	m
10	1	1	3.49	1.1	6.0	3.08	0.0078	1,562	52	50	100/C
10	2	7	1.32	1.1	6.7	3.08	0.0070	1,769	52	55	100/C
16	1	1	4.43	1.1	7.0	1.91	0.0064	2,445	70	70	100/C
16	2	7	1.68	1.1	7.8	1.91	0.0058	2,781	70	80	100/C
25	2	7	2.12	1.3	9.6	1.20	0.0055	4,241	95	120	1,000/D
35	2	7	2.49	1.3	10.8	0.868	0.0048	5,703	117	160	1,000/D
50	2	7	2.90	1.5	12.0	0.641	0.0047	7,423	143	210	1,000/D
50	2	19	1.76	1.5	12.5	0.641	0.0047	8,114	143	210	1,000/D
70	2	19	2.12	1.5	14.3	0.443	0.0040	11,487	185	280	1,000/D
95	2	19	2.49	1.7	16.6	0.320	0.0038	15,470	226	390	1,000/D
120	2	19	2.80	1.7	18.2	0.253	0.0035	18,810	264	470	1,000/D
120	2	37	2.01	1.7	18.3	0.253	0.0034	20,114	264	470	1,000/D
150	2	37	2.23	1.9	20.3	0.206	0.0035	24,704	302	600	1,000/D
185	2	37	2.50	2.1	22.6	0.164	0.0034	30,187	352	700	1,000/D
240	2	61	2.23	2.3	25.8	0.125	0.0033	38,568	421	900	1,000/D
300	2	61	2.49	2.5	28.6	0.100	0.0032	46,901	487	1,100	1,000/D
400	2	61	2.82	2.7	32.0	0.0778	0.0031	57,948	574	1,400	1,000/D
500	2	61	3.20	3.1	36.3	0.0605	0.0031	73,194	675	1,900	1,000/D

C : Packing in coil

D : Packing in drum

การใช้งาน

• ใช้เป็นสายในระบบจำหน่ายไฟฟ้าแรงดันต่ำ