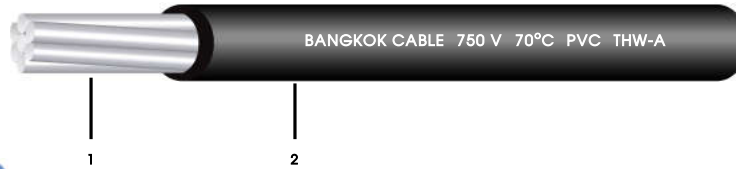


750 V 70°C THW-A



Construction

1. Conductor : Stranded hard-drawn aluminium wires
 2. Insulation : Black polyvinyl chloride (PVC)

Standard :

TIS 293-2541 Table 1



Classification

Maximum conductor temperature : 70°C
 Maximum circuit voltage : 750 V
 AC test voltage : 2,500 V

Application

- For low voltage overhead distribution line

Conductor			Thickness of insulation	Overall diameter	Conductor resistance at 20°C	Insulation resistance at 70°C	Breaking strength	Current rating in free air at 40°C ambient	Cable weight	Standard length
Cross- sectional area	No. & dia. of wires	Diameter of conductor								
mm ² (Nominal)	No./mm	mm (Approx.)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	MΩ.km (Min.)	N (Min.)	A	kg/km (Approx.)	m
10	7/1.32	3.96	1.1	6.7	3.08	0.0070	1,769	51	56	100/C
16	7/1.68	5.04	1.1	7.8	1.91	0.0057	2,781	69	80	100/C
25	7/2.12	6.36	1.3	9.6	1.20	0.0054	4,241	92	124	100/C
35	7/2.49	7.47	1.3	10.8	0.868	0.0047	5,703	112	155	100/C
50	7/2.90	8.70	1.5	12.5	0.641	0.0047	7,423	136	216	100/C
50	19/1.76	8.80	1.5	12.5	0.641	0.0046	8,114	136	209	100/C
70	19/2.12	10.60	1.5	14.3	0.443	0.0039	11,487	173	284	100/C
95	19/2.49	12.45	1.7	16.6	0.320	0.0038	15,470	225	388	100/C
120	19/2.80	14.00	1.7	18.2	0.253	0.0034	18,810	262	473	1,000/D
120	37/2.01	14.07	1.7	18.3	0.253	0.0034	20,114	263	468	1,000/D
150	37/2.23	15.61	1.9	20.3	0.206	0.0034	24,704	300	578	1,000/D
185	37/2.50	17.50	2.1	22.6	0.164	0.0034	30,187	347	723	1,000/D
240	61/2.23	20.07	2.3	25.8	0.125	0.0032	38,568	415	930	1,000/D
300	61/2.49	22.41	2.5	28.6	0.100	0.0032	46,901	479	1,151	1,000/D
400	61/2.82	25.38	2.7	32.0	0.0778	0.0030	57,948	562	1,458	500/D
500	61/3.20	28.80	3.1	36.3	0.0605	0.0031	73,194	658	1,883	500/D

C = Packing in coil

D = Packing in drum