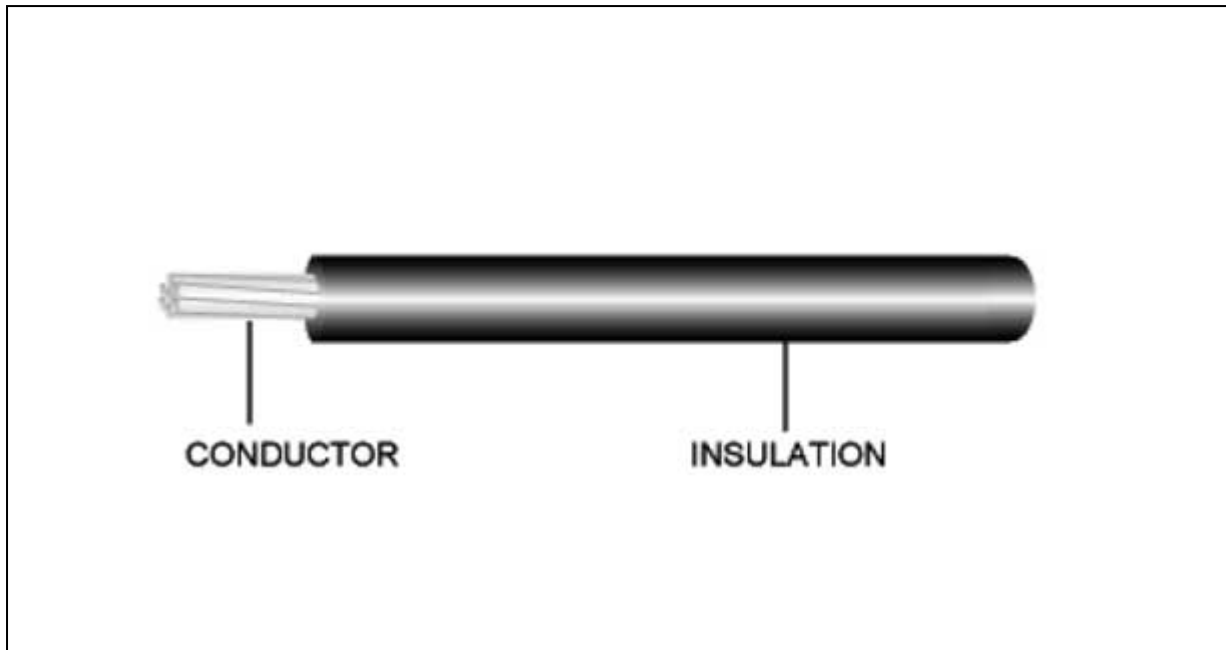

THWA-C

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



CABLE STRUCTURE

CONDUCTOR	: Compact stranded hard drawn aluminium wires Sizes 10 mm ² up to 500 mm ²
INSULATION	: PVC Color: Black
CLASSIFICATION	: Maximum conductor temperature 70°C Circuit voltage not exceeding 750 volts
TESTING VOLTAGE	: 2,500 volts
REFERENCE	: TIS 293-2541, Table 2

THWA-C

TIS 293-2541
TABLE 2

Nominal Cross Sectional area (mm ²)	Actual Cross Sectional Area (mm)	Number Of wire (Min)	Compact Conductor Diameter Approx. (mm)	Insulation thickness (mm)	Approx. Overall diameter (mm)	Maximum Conductor Resistance at 20 °C (Ω/Km)	Breaking Strength Of conductor (N)	Maximum continuous current rating in free air (Ampere)	Cable Weight (approx.) (Kg/Km)	Standard length (m)
10	9.64	6	3.65	1.1	6.2	3.08	1,768	51	50	500/C
16	15.55	6	4.64	1.1	7.2	1.91	2,734	68	70	500/C
25	24.75	6	5.85	1.3	8.8	1.20	4,120	91	110	300/C
35	34.21	6	6.88	1.3	9.8	0.868	5,591	111	150	300/C
50	46.32	6	8.01	1.5	11.5	0.641	7,313	133	200	200/C
70	67.03	12	9.63	1.5	13.0	0.443	10,420	167	270	100/C
95	92.79	15	11.33	1.7	15.5	0.320	14,098	210	370	100/C
120	117.37	15	12.75	1.7	16.5	0.253	18,518	248	450	100/C
150	144.15	15	14.13	1.9	18.5	0.206	22,457	287	550	500/D
185	181.06	30	15.83	2.1	21.0	0.164	28,974	337	700	500/D
240	237.55	30	18.28	2.3	24.0	0.125	37,506	410	900	500/D
300	296.94	30	20.43	2.5	26.0	0.100	45,642	479	1,100	500/D
400	381.67	53	23.17	2.7	29.0	0.0778	56,992	571	1,400	500/D
500	490.81	53	26.27	3.1	33.0	0.0605	72,195	680	1,800	500/D



