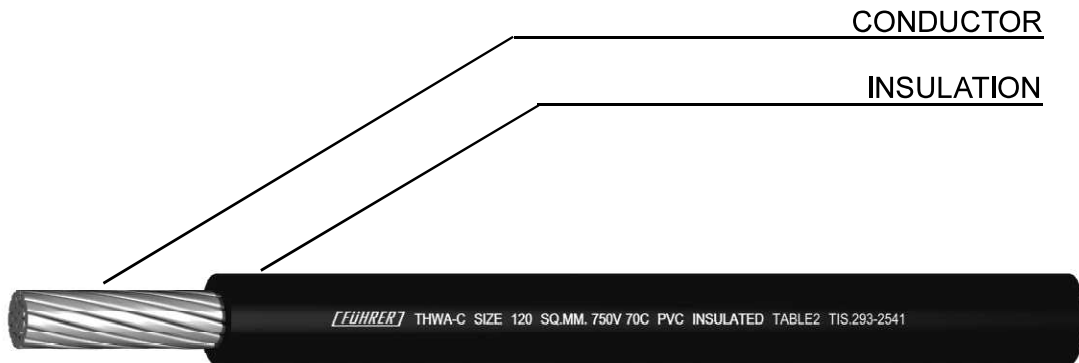


**750 V 70°C PVC INSULATED ALUMINIUM COMPACTED CONDUCTOR, SINGLE CORE****CABLE STRUCTURE**

<b>CONDUCTOR</b>	:	Compact stranded hard drawn aluminum wires, Sizes. 10 mm <sup>2</sup> up to 500 mm <sup>2</sup>
<b>INSULATION</b>	:	Heat resisting PVC Colour : Black
<b>CLASSIFICATION</b>	:	Maximum conductor temperature 70°C Circuit voltage not exceeding 750 volts
<b>TESTING VOLTAGE</b>	:	2,500 Volts
<b>REFERENCE</b>	:	TIS 293-2541 Table 2



### THWA-C

Nominal Cross Sectional area (mm <sup>2</sup> )	Minimum number of wire (No)	Approx. Overall Conductor diameter (mm)	Insulation thickness (mm)	Approx. Overall diameter (mm)	Maximum conductor resistance at 20°C (Ω-Km)	Minimum insulation resistance at 70°C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
10	6	3.70	1.1	6.20	3.08	0.0075	52	55	500/D
16	6	4.70	1.1	7.20	1.91	0.0062	71	75	500/D
25	6	5.90	1.3	8.80	1.20	0.0059	95	115	500/D
35	6	6.96	1.3	9.80	0.868	0.0051	115	150	500/D
50	6	8.28	1.5	11.60	0.641	0.0051	130	200	500/D
70	12	9.75	1.5	13.00	0.443	0.0043	180	270	500/D
95	15	11.45	1.7	15.20	0.320	0.0042	220	370	500/D
120	15	12.95	1.7	16.70	0.253	0.0038	270	450	500/D
150	15	14.20	1.9	18.40	0.206	0.0038	300	555	500/D
185	30	15.98	2.1	20.50	0.164	0.0038	370	695	500/D
240	30	18.47	2.3	23.40	0.125	0.0036	450	900	500/D
300	30	20.50	2.5	25.90	0.110	0.0035	520	1115	500/D
400	53	23.35	2.7	33.10	0.0778	0.0033	620	1415	500/D
500	53	26.50	3.1	33.20	0.0605	0.0034	750	1835	500/D

C: Packing in coil.

D: Packing in drum.