





CONSTRUCTION		APPLICATION	APPLICATION	REFERENCE
Conductor	Hard drawn aluminium wire, solid or stranded Sizes 10 sq.mm. up to 500 sq.mm.	For arial cable (service & main)	Maximum conductor temperature 70°C Circuit voltage does not exceed 750 volts.	 TIS 293-2541 Table 1 AC Test Voltage : 2.5 kV
Insulation	Heat resistance polyvinyl chloride (Black colour)			

CTW-THWA		Construction			Thickness of Insulation	Overall Diameter (Approx.)	Cable Weight (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 70°C	Rated Tensile Strength of Conductor	Allowable ampacities free air at 40°C	Standard Packing
		Nominal Cross-Sectional Area	Number and Dia. of Wire	Diameter (Approx.)								
PRODUCT CODE	SIZE Inch.	sq.mm.	No./mm	mm	mm	mm.	kg/km	Ω/km	MΩ-km	N	A	m/R
A70320010	1 x 10	10	1/3.49	3.49	1.1	6.0	55	3.08	0.0078	1,562	52	3,000
A70300010	1 x 10	10	7/1.32	3.96	1.1	6.5	60	3.08	0.0070	1,769	52	3,000
A70320016	1 x 16	16	1/4.43	4.43	1.1	7.0	75	1.91	0.0064	2,445	71	3,000
A70300016	1 x 16	16	7/1.68	5.04	1.1	7.5	85	1.91	0.0058	2,781	71	3,000
A70300025	1 x 25	25	7/2.12	6.36	1.3	9.5	130	1.20	0.0055	4,241	95	3,000
A70300035	1 x 35	35	7/2.49	7.47	1.3	10.5	170	0.868	0.0048	5,703	115	2,000
A70320050	1 x 50	50	7/2.90	8.70	1.5	12.0	225	0.641	0.0047	7,423	130	2,000
A70300050	1 x 50	50	19/1.76	8.80	1.5	12.0	220	0.641	0.0047	8,114	130	2,000
A70300070	1 x 70	70	19/2.12	10.60	1.5	14.0	295	0.443	0.0040	11,487	180	1,500
A70300095	1 x 95	95	19/2.49	12.45	1.7	16.0	400	0.320	0.0038	15,470	220	1,000
A70320120	1 x 120	120	19/2.80	14.00	1.7	18.0	490	0.253	0.0035	18,810	270	1,000
A70300120	1 x 120	120	37/2.01	14.07	1.7	18.0	485	0.253	0.0034	20,114	2700	1,000
A70300150	1 x 150	150	37/2.23	15.61	1.9	20.0	595	0.206	0.0035	24,704	300	1,000
A70300185	1 x 185	185	37/2.50	17.50	2.1	22.0	745	0.164	0.0034	30,187	370	1,000
A70300240	1 x 240	240	61/2.23	20.07	2.3	25.0	960	0.125	0.0033	38,568	450	500
A70300300	1 x 300	300	61/2.49	22.41	2.5	28.0	1,185	0.100	0.0032	46,901	520	500

R = Packing in reel



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PRODUCT CODE	SIZE Inch.	sq.mm.	No./mm	mm	mm	mm.	kg/km	Ω/km	MΩ-km	N	A	m/R
A70300400	1 x 400	400	61/2.82	25.38	2.7	31.0	1,495	0.0778	0.0031	57,948	620	500
A70300500	1 x 500	500	61/3.20	28.80	3.1	35.5	1,930	0.0605	0.0031	73,194	750	500