




CONSTRUCTION		APPLICATION	APPLICATION	REFERENCE
Conductor	Compact concentric lay stranded hard drawn aluminium wire Sizes 10 sq.mm. up to 500 sq.mm. Heat resistance polyvinyl chloride (Black colour)	For arial cable (service & main)	Maximum conductor temperature 70°C Circuit voltage does not exceed 750 volts.	 TIS 293-2541 Table 2 PEA's Specification AC Test Voltage : 2.5 kV
Insulation				

CTW-THWA-C		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	Minimum Number of Wire	Diameter (Approx.)								
PRODUCT CODE	SIZE Inch.	sq.mm.	No	mm	mm	mm.	kg/km	Ω/km	MΩ-km	N	A	m/R
A70400010	1 x 10	10	6	4.10	1.1	6.5	60	3.08	0.0075	1,768	55	3000
A70400016	1 x 16	16	6	4.69	1.1	7.5	80	1.91	0.0062	2,734	75	3000
A70400025	1 x 25	25	6	5.90	1.3	9.0	125	1.20	0.0059	4,120	115	3000
A70400035	1 x 35	35	6	6.95	1.3	10.0	155	0.868	0.0051	5,591	150	2000
A70400050	1 x 50	50	6	8.00	1.5	11.5	210	0.641	0.0051	7,313	200	2000
A70400070	1 x 70	70	12	9.73	1.5	13.0	280	0.443	0.0043	10,420	270	1500
A70400095	1 x 95	95	15	11.45	1.7	15.0	380	0.320	0.0042	14,098	370	1000
A70400120	1 x 120	120	15	12.95	1.7	16.5	465	0.253	0.0038	18,518	450	1000
A70400150	1 x 150	150	15	14.27	1.9	18.5	570	0.206	0.0038	22,457	555	1000
A70400185	1 x 185	185	30	15.98	2.1	20.5	710	0.164	0.0038	28,974	695	1000
A70400240	1 x 240	240	30	18.47	2.3	23.5	915	0.125	0.0036	37,506	900	500
A70400300	1 x 300	300	30	20.68	2.5	26.0	1,135	0.100	0.0035	45,642	1,115	500
A70400400	1 x 400	400	53	23.39	2.7	29.0	1,435	0.0778	0.0033	56,992	1,415	500
A70400500	1 x 500	500	53	26.67	3.1	33.0	1,850	0.0605	0.0034	72,195	1,835	500

R = Packing in reel