

TABLE-7 “MEGACAB” THREE AND HALF CORE ALUMINIUM CONDUCTOR, XLPE INSULATED

UNARMoured & ARMoured CABLE CONFORMING TO IS 7098 PART-1/1988

650/1100 VOLTS | Weight & Dimension

Cable Code : A2XY / A2XFY / A2XWY

Nominal Size of Conductor	Form of conductor Circular	Nominal thickness of XLPE Insulation for U/A		Minimum thickness of PVC Inner sheath	Unarmoured Cable			Formed Wire / Strip Armoured Cable			Round wire Armoured Cable				Current rating		* Normal Delivery Length	
		mm	mm		Nominal Thickness of PVC Outer Sheath	Approx Overall Diameter of Cable	Approx weight of Cable	Nominal Dimension of Aluminium flat strip	Minimum Thickness of PVC Outer Sheath	Approx Overall Diameter of Cable	Approx weight of Cable	Nominal Dimension of Aluminium Round wire	Minimum Thickness of PVC Outer Sheath	Approx Overall Diameter of Cable	Approx weight of Cable	In Ground		In Air
Sq. mm.	-	mm	mm	mm	mm	mm	Kgs/Km	mm	mm	mm	Kgs/mm	mm	mm	mm	kgs/km	Amps.	Amps.	Amps.
25/16	Stranded	0.9	0.7	0.3	2.0	22.0	525	4 X 0.8	1.40	23.0	850	1.60	1.40	25.5	1050	94	96	1000
35/16	Stranded	0.9	0.7	0.3	2.0	24.0	625	- do -	1.40	25.5	980	1.60	1.40	26.5	1200	113	117	1000
50/25	Stranded	1.0	0.9	0.3	2.0	27.5	800	- do -	1.40	30.0	1240	1.60	1.56	29.5	1500	133	142	1000
70/35	Stranded	1.1	0.9	0.4	2.2	31.0	1100	- do -	1.56	30.5	1600	2.00	1.56	34.0	2050	194	179	500
95/50	Stranded	1.1	1.0	0.4	2.2	35.0	1400	- do -	1.56	33.5	1900	2.00	1.56	38.0	2450	196	221	500
120/70	Stranded	1.2	1.1	0.4	2.2	37.5	1650	- do -	1.72	35.5	2300	2.00	1.72	41.0	2800	223	257	500
150/70	Stranded	1.4	1.1	0.5	2.4	41.0	2000	- do -	1.72	40.5	2650	2.00	1.88	45.0	3350	249	292	500
185/95	Stranded	1.6	1.1	0.5	2.6	46.5	2550	- do -	1.88	44.5	3250	2.50	2.04	50.5	4500	282	337	500
240/120	Stranded	1.7	1.2	0.6	2.8	52.5	3200	- do -	2.04	53.5	4100	2.50	2.20	56.0	5450	326	399	500
300/150	Stranded	1.8	1.4	0.6	3.0	56.0	4000	- do -	2.20	57.0	4950	2.50	2.36	61.0	6400	367	455	500
400/185	Stranded	2.0	1.6	0.7	3.4	64.0	5250	- do -	2.52	65.0	6150	3.15	2.68	70.0	8300	418	530	500
500/240	Stranded	2.2	1.7	0.7	3.6	72.5	6500	- do -	2.68	73.5	7600	3.15	2.84	77.0	10000	470	612	250

The above data is approximate and Subject to manufacturing tolerance

* Delivery Length tolerance +/- 5 %. Length more than normal as per customer request.

