

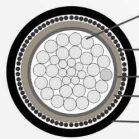
**TABLE-1 “MEGACAB” SINGLE CORE ALUMINIUM CONDUCTOR, XLPE INSULATED**

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

650/1100 VOLTS | Weight & Dimension

Cable Code : A2XY / A2XFaY / A2XWaY

Nominal Size of Conductor	Form of conductor Circular	Nominal thickness of XLPE Insulation for U/A	Minimum thickness of PVC Inner sheath	Unarmoured Cable			Nominal thickness of XLPE Insulation for Armoured cable	Formed Wire / Strip Armoured Cable				Round wire Armoured Cable				Current rating		* Normal Delivery Length
				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	Kgs/Km	mm	mm	mm	mm	Kgs/mm	mm	mm	mm	kgs/km	Amps.	Amps.	Amps.
4	Solid	0.7	- NA -	1.8	7.5	60	-	-	-	-	-	-	-	-	-	36	31	1000
4	Stranded	0.7	- NA -	1.8	8.0	65	-	-	-	-	-	-	-	-	-	36	31	1000
6	Solid	0.7	- NA -	1.8	8.0	70	-	-	-	-	-	-	-	-	-	44	39	1000
6	Stranded	0.7	- NA -	1.8	8.0	75	-	-	-	-	-	-	-	-	-	44	39	1000
10	Solid	0.7	- NA -	1.8	9.0	80	1.0	-	-	-	-	-	-	-	-	59	53	1000
10	Stranded	0.7	- NA -	1.8	9.5	90	1.0	-	-	-	-	-	-	-	-	59	53	1000
16	Stranded	0.7	- NA -	1.8	10.0	115	1.0	-	-	-	-	1.4	1.24	13.0	220	76	73	1000
25	-- do --	0.9	- NA -	1.8	12.0	155	1.2	-	-	-	-	1.4	1.24	14.0	260	96	98	1000
35	-- do --	0.9	- NA -	1.8	13.0	180	1.2	-	-	-	-	1.4	1.24	15.0	310	114	121	1000
50	-- do --	1.0	- NA -	1.8	14.0	240	1.3	-	-	-	-	1.4	1.24	17.0	380	135	150	1000
70	-- do --	1.1	- NA -	1.8	16.0	310	1.4	-	-	-	-	1.4	1.24	19.0	480	166	187	1000
95	-- do --	1.1	- NA -	1.8	17.5	385	1.4	4x 0.80	1.40	21.0	560	1.6	1.40	22.0	640	198	230	1000
120	-- do --	1.2	- NA -	1.8	19.0	470	1.5	4x 0.80	1.40	22.0	660	1.6	1.40	23.5	745	225	268	1000
150	-- do --	1.4	- NA -	2.0	21.5	600	1.7	4x 0.80	1.40	23.0	750	1.6	1.40	24.5	850	253	309	1000
185	-- do --	1.6	- NA -	2.0	23.5	710	1.9	4x 0.80	1.40	25.0	900	1.6	1.40	26.5	1000	286	360	1000
240	-- do --	1.7	- NA -	2.0	26.0	900	2.0	4x 0.80	1.40	27.5	1100	1.6	1.40	29.0	1215	332	433	1000
300	-- do --	1.8	- NA -	2.0	28.5	1075	2.1	4x 0.80	1.56	30.0	1350	1.6	1.56	31.5	1475	376	501	1000
400	-- do --	2.0	- NA -	2.2	33.0	1385	2.4	4x 0.80	1.56	34.0	1725	2.0	1.56	36.5	1925	431	596	1000
500	-- do --	2.2	- NA -	2.2	36.0	1650	2.6	4x 0.80	1.56	37.5	2090	2.0	1.56	39.5	2300	490	693	500
630	-- do --	2.4	- NA -	2.0	40.0	2100	2.8	4x 0.80	1.72	40.5	2525	2.0	1.72	43.0	2800	557	814	500
800	-- do --	2.6	- NA -	2.4	46.0	2730	3.1	4x 0.80	1.72	46.5	3150	2.0	1.88	49.5	3450	600	890	500
1000	-- do --	2.8	- NA -	2.6	52.0	3350	3.3	4x 0.80	1.88	54.0	3963	2.5	2.04	58.0	4475	650	1050	500



Conductor : Aluminium / Copper as per Class-2 of IS:8130

Armouring : Single Layer of Galvanized Steel Round Wire / Flat Strip

Insulation : XLPE(Cross linked polyethylene); Colour : Red & Black

Inner-Sheath : PVC Type ST-2 as per IS:5831

Outer-Sheath : PVC Type ST-2 as per IS:5831

The above data is approximate and Subject to manufacturing tolerance

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