

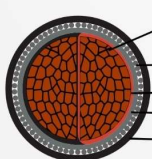
TABLE-3 "MEGACAB" TWO CORE ALUMINIUM CONDUCTOR, XLPE INSULATED

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
				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	Kgs/mm	mm	mm	mm	kgs/km	Amps.	Amps.	Amps.
4	Solid	0.7	0.3	1.8	12.5	140	- NA -	- NA -	- NA -	- NA -	1.40	1.24	14.5	400	40	34	1000
4	Stranded	0.7	0.3	1.8	13.0	150	- NA -	- NA -	- NA -	- NA -	1.40	1.24	15.5	430	40	34	1000
6	Solid	0.7	0.3	1.8	13.5	170	- NA -	- NA -	- NA -	- NA -	1.40	1.24	15.5	485	50	44	1000
6	Stranded	0.7	0.3	1.8	14.0	180	- NA -	- NA -	- NA -	- NA -	1.40	1.24	16.5	545	69	59	1000
10	Solid	0.7	0.3	1.8	15.0	205	- NA -	- NA -	- NA -	- NA -	1.40	1.24	17.0	565	69	59	1000
10	Stranded	0.7	0.3	1.8	16.0	225	- NA -	- NA -	- NA -	- NA -	1.40	1.24	18.0	570	88	74	1000
16	Stranded	0.7	0.3	1.8	14.0	225	- NA -	- NA -	- NA -	- NA -	1.40	1.40	17.0	790	112	98	1000
25	Stranded	0.9	0.3	2.0	17.0	330	4 X 0.8	1.40	18.5	600	1.60	1.40	20.0	790	112	98	1000
35	Stranded	0.9	0.3	2.0	19.0	410	- do -	1.40	20.0	690	1.60	1.40	22.0	910	138	124	1000
50	Stranded	1.0	0.3	2.0	21.0	510	- do -	1.40	22.5	820	1.60	1.40	24.0	1050	169	156	1000
70	Stranded	1.1	0.3	2.0	23.0	675	- do -	1.56	25.5	1050	1.60	1.56	27.0	1325	200	188	1000
95	Stranded	1.1	0.4	2.2	26.5	900	- do -	1.56	28.0	1300	2.00	1.56	30.5	1750	238	231	1000
120	Stranded	1.2	0.4	2.2	28.5	1050	- do -	1.56	30.5	1500	2.00	1.56	33.0	2000	262	262	500
150	Stranded	1.4	0.4	2.2	32.0	1215	- do -	1.72	34.0	1750	2.00	1.72	36.0	225	300	300	500
185	Stranded	1.6	0.5	2.4	35.5	1510	- do -	1.72	37.0	2200	2.00	1.88	40.0	2750	344	344	500
240	Stranded	1.7	0.5	2.6	39.5	1900	- do -	1.88	41.0	2600	2.50	2.04	45.0	3700	400	406	500
300	Stranded	1.8	0.6	2.8	43.5	2360	- do -	2.04	45.5	3200	2.50	2.20	49.0	4400	444	456	500
400	Stranded	2.0	0.6	3.0	49.0	3100	- do -	2.36	51.0	4000	2.50	2.36	54.4	5300	481	525	500
500	Stranded	2.2	0.6	3.4	55.5	4000	- do -	2.52	56.5	5000	3.15	2.68	61.5	7000	523	678	500
630	Stranded	2.4	0.7	3.6	61.5	5000	- do -	2.68	62.5	6050	3.15	2.84	67.5	8560	892	786	500



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

Armoring : 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.