

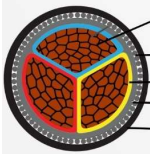
TABLE-5 “MEGACAB” THREE CORE ALUMINIUM CONDUCTOR, XLPE INSULATED

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	mm	mm	kgs/km	Amps.	Amps.	Amps.
4	Solid	0.7	0.3	1.8	14.0	140	- NA -	- NA -	- NA -	- NA -	1.40	1.24	15.0	460	34	31	1000		
4	Stranded	0.7	0.3	1.8	15.5	160	- NA -	- NA -	- NA -	- NA -	1.40	1.24	16.0	510	34	31	1000		
6	Solid	0.7	0.3	1.8	15.5	170	- NA -	- NA -	- NA -	- NA -	1.40	1.24	16.0	530	43	50	1000		
6	Stranded	0.7	0.3	1.8	16.0	190	- NA -	- NA -	- NA -	- NA -	1.40	1.24	17.0	580	43	50	1000		
10	Solid	0.7	0.3	1.8	17.0	220	- NA -	- NA -	- NA -	- NA -	1.40	1.24	18.0	640	57	67	1000		
10	Stranded	0.7	0.3	1.8	18.0	230	- NA -	- NA -	- NA -	- NA -	1.40	1.24	19.0	680	57	67	1000		
16	Stranded	0.7	0.3	1.8	18.0	310	4 X 0.8	1.24	18.5	530	1.60	1.40	21.0	750	73	70	1000		
25	Stranded	0.9	0.3	2.0	20.2	460	- do -	1.40	20.5	770	1.60	1.40	23.0	990	94	96	1000		
35	Stranded	0.9	0.3	2.0	21.5	575	- do -	1.40	23.0	900	1.60	1.40	25.0	1150	113	117	1000		
50	Stranded	1.0	0.3	2.0	24.5	700	- do -	1.40	25.5	1100	1.60	1.56	27.5	1400	133	142	1000		
70	Stranded	1.1	0.3	2.0	29.0	990	- do -	1.56	30.0	1425	2.00	1.56	32.0	1950	164	179	1000		
95	Stranded	1.1	0.4	2.2	32.5	1250	- do -	1.56	33.5	1735	2.00	1.56	37.5	2300	196	221	500		
120	Stranded	1.2	0.4	2.2	34.5	1525	- do -	1.56	35.5	2050	2.00	1.72	39.5	2700	223	257	500		
150	Stranded	1.4	0.4	2.4	38.5	1900	- do -	1.72	40.5	2350	2.00	1.88	43.5	3200	249	292	500		
185	Stranded	1.6	0.5	2.6	43.5	2380	- do -	1.88	44.5	2850	2.50	2.04	48.5	4200	282	337	500		
240	Stranded	1.7	0.5	2.8	48.5	3000	- do -	2.04	49.0	3550	2.50	2.20	53.0	5100	326	399	500		
300	Stranded	1.8	0.6	3.0	51.5	3750	- do -	2.20	53.0	4500	2.50	2.36	57.5	5900	367	455	500		
400	Stranded	2.0	0.6	3.4	59.5	4760	- do -	2.52	58.5	5700	3.15	2.68	65.0	7900	418	530	500		
500	Stranded	2.2	0.6	3.6	66.0	6000	- do -	2.68	67.0	6900	3.15	2.84	73.0	9550	470	612	250		
630	Stranded	2.4	0.7	3.8	72.0	7550	- do -	2.84	73.0	8700	4.00	3.00	78.0	12500	529	707	250		



- 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, Yellow, Blue
- 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.