

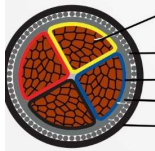
TABLE-9 “MEGACAB” FOUR CORE ALUMINIUM CONDUCTOR, XLPE INSULATED

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/cm	Amps.	Amps.	Amps.
4	Solid	0.7	0.3	1.8	15.0	160	- NA -	- NA -	- NA -	- NA -	1.40	1.24	16.5	510	34	31	1000
4	Stranded	0.7	0.3	1.8	16.0	180	- NA -	- NA -	- NA -	- NA -	1.40	1.24	17.5	560	34	31	1000
6	Solid	0.7	0.3	1.8	16.5	200	- NA -	- NA -	- NA -	- NA -	1.40	1.24	17.5	580	43	50	1000
6	Stranded	0.7	0.3	1.8	17.5	215	- NA -	- NA -	- NA -	- NA -	1.40	1.24	18.5	625	43	50	1000
10	Solid	0.7	0.3	1.8	18.0	250	- NA -	- NA -	- NA -	- NA -	1.40	1.40	19.0	700	57	67	1000
10	Stranded	0.7	0.3	1.8	18.5	260	- NA -	- NA -	- NA -	- NA -	1.40	1.40	20.5	765	57	67	1000
16	Stranded	0.7	0.3	1.8	17.5	350	4 X 0.8	1.40	20.0	715	1.60	1.40	21.0	895	73	70	1000
25	Stranded	0.9	0.3	2.0	21.0	550	- do -	1.40	23.0	940	1.60	1.40	25.0	1150	94	96	1000
35	Stranded	0.9	0.3	2.0	23.5	680	- do -	1.40	25.0	1050	1.60	1.40	26.5	1325	113	117	1000
50	Stranded	1.0	0.3	2.0	26.0	875	- do -	1.56	28.0	1280	1.60	1.56	29.5	1640	133	142	1000
70	Stranded	1.1	0.4	2.2	30.5	1200	- do -	1.56	32.0	1700	2.00	1.56	34.0	2175	164	179	1000
95	Stranded	1.1	0.4	2.2	33.5	1530	- do -	1.56	35.0	2100	2.00	1.72	38.0	2775	196	221	500
120	Stranded	1.2	0.5	2.4	37.5	1850	- do -	1.72	39.0	2600	2.00	1.88	42.0	3250	223	257	500
150	Stranded	1.4	0.5	2.6	42.0	2280	- do -	1.88	43.5	3000	2.50	2.04	47.0	4175	249	292	500
185	Stranded	1.6	0.5	2.8	46.5	2800	- do -	2.04	48.0	3650	2.50	2.20	52.0	5000	282	337	500
240	Stranded	1.7	0.6	3.0	52.5	3700	- do -	2.20	54.0	4700	2.50	2.36	57.5	6050	326	399	500
300	Stranded	1.8	0.7	3.2	58.0	4600	- do -	2.52	59.5	5600	3.15	2.52	64.5	7850	367	455	500
400	Stranded	2.0	0.7	3.6	65.5	6000	- do -	2.68	66.5	7000	3.15	2.84	71.5	9500	418	530	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, Yellow, Blue & 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.