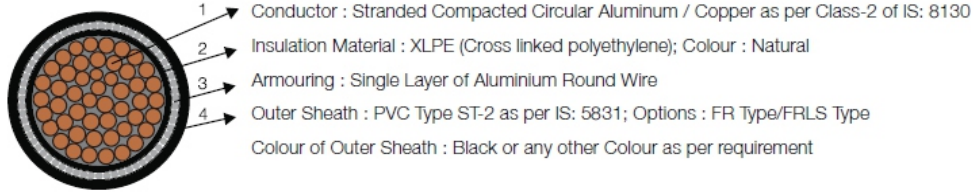


SINGLE CORE ALUMINIUM & COPPER CONDUCTOR ,XLPE INSULATED, UNARMoured & ARMoured CABLE CONFORMING TO IS 7098 PART -2 /1985

VOLTAGE GRADE : 3.3 KV (E & UE) (A2XWay/2XWay) NON SCREENED

ARMoured WIRE							CURRENT RATING			
							Aluminium		Copper	
Nom.Size of conductor	Nom. insulation thickness	Nom Dia of armour wire	Min Thickness of pvc outer sheath	Approx overall diameter of cable	Al. Approx Weight of cable	Cu. Approx Weight of cable	In ground	In air	In ground	In air
sq.mm	mm	mm	mm	mm	kg./km	kg./km	Amps.	Amps.	Amps.	Amps.
25	2.50	1.40	1.24	17	350	500	100	110	130	145
35	2.50	1.40	1.24	18	400	600	120	135	155	175
50	2.50	1.40	1.40	19	500	750	140	165	185	215
70	2.50	1.60	1.40	21	600	1000	175	210	225	270
95	2.50	1.60	1.40	23	700	1250	205	255	265	330
120	2.50	1.60	1.40	24	800	1500	235	295	300	380
150	2.50	1.60	1.40	26	900	1800	260	335	335	430
185	2.50	1.60	1.40	27	1050	2150	295	390	380	495
240	2.50	1.60	1.56	30	1300	2700	340	460	435	590
300	2.50	1.60	1.56	32	1500	3300	385	530	490	670
400	2.60	2.00	1.56	36	1900	4200	440	620	550	780
500	2.80	2.00	1.56	41	2300	5250	495	730	610	900
630	3.00	2.00	1.72	45	2850	6650	560	840	680	1020
800	3.30	2.00	1.88	51	3550	8450	620	960	740	1140
1000	3.50	2.50	2.04	56	4450	10600	670	1070	780	1250

Cross-sectional view



THREE CORE ALUMINIUM & COPPER CONDUCTOR, XLPE INSULATED , UNARMoured & ARMoured CABLE CONFORMING TO IS : 7098 PART -1985

VOLTAGE GRADE : 3.3 KV (E & UE) (A2XFY/2XFY, A2XWY /2XWY) NON SCREENED

Nominal size of as per IS 8130 /84	Form of conductor circular	Nom Thickness of xlpe insulation	Min Thickness of pvc inner sheath	Strip Armoured Cable					Round Wire Armoured Cable					CURRENT RATING			
				Nom Dimension G.I.Flat strip	Min Thickness of pvc outer sheath	Approx overall Diameter of cable	Al.Approx weight of cable	Cu. Approx weight of cable	Nom. Dimension of GI Round Wire	Min Thickness of pvc outer sheath	Approx overall Diameter of cable	Al.Approx weight of cable	Cu. Approx weight of cable	Aluminium		Copper	
														ground	Air	Ground	Air
Sq.mm		mm	mm	mm	mm	mm	kg./km	kg./km	mm	mm	mm	kg./km	kg./km	Amps.	Amps.	Amps.	Amps.
25	Circular	2.20	0.30	4 x0.80	1.40	27	1000	1450	1.60	1.56	30	1300	1750	94	99	120	125
35	Circular	2.20	0.30	4 x0.80	1.56	29	1200	1800	1.60	1.56	33	1500	2100	115	120	145	155
50	Circular	2.20	0.40	4 x0.80	1.56	31	1400	2250	2.00	1.56	35	1900	2750	135	145	170	190
70	Circular	2.20	0.40	4 x0.80	1.56	34	1650	2900	2.00	1.56	38	2250	3450	165	185	210	235
95	Circular	2.20	0.40	4 x0.80	1.72	37	2000	3700	2.00	1.72	42	2650	4300	195	225	250	290
120	Circular	2.20	0.50	4 x0.80	1.72	40	2350	4450	2.00	1.88	45	3050	5150	220	255	285	330
150	Circular	2.20	0.50	4 x0.80	1.88	43	2700	5300	2.50	2.04	48	3750	6400	245	295	315	375
185	Circular	2.20	0.50	4 x0.80	2.04	46	3150	6450	2.50	2.04	51	4300	7600	280	340	355	435
240	Circular	2.20	0.60	4 x0.80	2.2	51	3850	8150	2.50	2.20	56	5050	9400	320	400	410	510
300	Circular	2.20	0.60	4 x0.80	2.2	55	4350	9900	2.50	2.36	60	5800	11250	360	460	460	590
400	Circular	2.20	0.70	4 x0.80	2.36	61	5400	12350	3.15	2.68	67	7700	14600	410	535	520	670

Cross-sectional view

