

## LT POWER CABLES

1.1 KV FOUR CORE COPPER CONDUCTOR, PVC INSULATED UNARMoured / ARMoured CABLE													
CONFORMING SPECIFICATION IS 1554 (PART- I)													
Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE YY			ARMoured CABLE YWY & YFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire -	Minimum Thickness Of	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	1.0	0.3	1.8	16.00	350	1.4	1.24	18.00	700	4.6100	36	30
6	1	1.0	0.3	1.8	17.00	440	1.4	1.24	19.00	850	3.0800	45	39
10	7	1.0	0.3	1.8	20.00	650	4 x 0.8	1.40	21.50	1000	1.8300	60	52
16	7	1.2	0.3	2.0	21.00	860	4 x 0.8	1.40	22.00	1180	1.1500	77	66
25	7	1.2	0.3	2.0	23.00	1280	4 x 0.8	1.40	24.50	1650	0.7270	99	90
35	7	1.4	0.3	2.0	26.00	1600	4 x 0.8	1.40	27.50	2100	0.5240	120	110
50	7	1.4	0.4	2.2	30.00	2250	4 x 0.8	1.56	32.00	2700	0.3870	145	135
70	19	1.6	0.4	2.2	33.00	3150	4 x 0.8	1.56	35.00	3700	0.2680	175	165
95	19	1.6	0.4	2.4	36.50	4200	4 x 0.8	1.72	39.00	4810	0.1930	210	200
120	19	1.8	0.5	2.4	41.00	5100	4 x 0.8	1.88	43.00	5900	0.1530	240	230
150	19	1.8	0.5	2.6	44.40	6400	4 x 0.8	1.88	46.00	7200	0.1240	270	265
185	37	2.0	0.6	2.8	50.60	8000	4 x 0.8	2.04	52.00	8800	0.0991	300	305
240	37	2.2	0.6	3.0	57.50	10000	4 x 0.8	2.36	59.00	11100	0.0754	345	355
300	37	2.4	0.7	3.4	63.00	12700	4 x 0.8	2.52	64.00	13800	0.0601	385	400

**1.1 KV FOUR CORE COPPER CONDUCTOR, XLPE INSULATED UNARMoured / ARMoured CABLE****CONFORMING SPECIFICATION IS 7098 (PART- I)**

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE 2XY			ARMoured CABLE 2XWY & 2XFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strin	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
<b>4</b>	1	0.7	0.3	1.8	15.00	310	1.4	1.24	17.00	660	4.6100	44	40
<b>6</b>	1	0.7	0.3	1.8	16.00	400	1.4	1.24	18.00	810	3.0800	55	51
<b>10</b>	7	0.7	0.3	1.8	19.00	600	4 x 0.8	1.40	19.00	940	1.8300	73	70
<b>16</b>	7	0.7	0.3	1.8	20.50	800	4 x 0.8	1.40	21.00	1120	1.1500	97	90
<b>25</b>	7	0.9	0.3	2.0	22.50	1200	4 x 0.8	1.40	25.00	1570	0.7270	122	123
<b>35</b>	7	0.9	0.3	2.0	25.60	1510	4 x 0.8	1.40	27.00	1980	0.5240	146	151
<b>50</b>	7	1.0	0.4	2.0	27.50	2100	4 x 0.8	1.56	28.50	2510	0.3870	172	183
<b>70</b>	19	1.1	0.4	2.2	32.00	3000	4 x 0.8	1.56	33.00	3400	0.2680	211	231
<b>95</b>	19	1.1	0.4	2.2	35.00	4000	4 x 0.8	1.56	36.50	4440	0.1930	253	285
<b>120</b>	19	1.2	0.5	2.4	39.60	4850	4 x 0.8	1.72	41.00	5600	0.1530	287	330
<b>150</b>	19	1.4	0.5	2.6	44.00	6050	4 x 0.8	1.88	45.00	6800	0.1240	321	375
<b>185</b>	37	1.6	0.6	2.8	49.00	7550	4 x 0.8	2.04	50.00	8275	0.0991	416	430
<b>240</b>	37	1.7	0.6	3.0	55.00	9550	4 x 0.8	2.20	57.00	10400	0.0754	464	508
<b>300</b>	37	1.8	0.7	3.2	61.00	12100	4 x 0.8	2.36	62.00	13000	0.0601	521	575

## 1.1 KV THREE AND HALF CORE COPPER CONDUCTOR, PVC INSULATED UNARMoured / ARMoured CABLE

## CONFORMING SPECIFICATION IS 1554 (PART- I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE YY			ARMoured CABLE YWY & YFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
25/16	7	1.2/1.0	0.3	2.0	24.00	1210	4 x 0.8	1.40	25.00	1500	0.7270	99	90
35/16	7	1.2/1.0	0.3	2.0	27.00	1540	4 x 0.8	1.40	28.00	1900	0.5240	120	110
50/25	7	1.4/1.2	0.3	2.0	30.00	2120	4 x 0.8	1.56	33.00	2460	0.3870	145	135
70/35	19	1.4/1.2	0.4	2.2	34.00	2850	4 x 0.8	1.56	35.00	3300	0.2680	175	165
95/50	19	1.6/1.4	0.4	2.2	40.00	3820	4 x 0.8	1.56	38.00	4350	0.1930	210	200
120/70	19	1.6/1.4	0.4	2.4	42.00	4800	4 x 0.8	1.72	43.00	5300	0.1530	240	230
150/70	19	1.8/1.4	0.5	2.4	45.00	5800	4 x 0.8	1.88	47.00	6400	0.1240	270	265
185/95	37	2.0/1.6	0.5	2.6	50.00	7200	4 x 0.8	2.04	51.00	7800	0.0991	300	305
240/120	37	2.2/1.6	0.6	3.0	57.00	9100	4 x 0.8	2.20	58.00	9900	0.0754	345	355
300/150	37	2.4/1.8	0.6	3.2	63.00	11300	4 x 0.8	2.36	64.00	12100	0.0601	385	400

## 1.1 KV THREE AND HALF CORE COPPER CONDUCTOR, XLPE INSULATED UNARMoured / ARMoured CABLE

## CONFORMING SPECIFICATION IS 7098 (PART- I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE 2XY			ARMoured CABLE 2XWY & 2XFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
25/16	7	0.9/0.7	0.3	2.0	22.00	1100	4 x 0.8	1.40	23.00	1390	0.7270	122	123
35/16	7	0.9/0.7	0.3	2.0	24.00	1400	4 x 0.8	1.40	25.00	1710	0.5240	146	151
50/25	7	1.0/0.9	0.3	2.0	27.00	1900	4 x 0.8	1.40	28.00	2200	0.3870	172	183
70/35	19	1.1/0.9	0.4	2.2	32.00	2600	4 x 0.8	1.56	32.50	3050	0.2680	211	231
95/50	19	1.1/1.0	0.4	2.2	35.00	3500	4 x 0.8	1.56	36.50	4000	0.1930	253	285
120/70	19	1.2/1.1	0.4	2.2	39.00	4400	4 x 0.8	1.72	40.00	5000	0.1530	287	330
150/70	19	1.4/1.1	0.5	2.4	43.00	5425	4 x 0.8	1.72	44.00	5980	0.1240	321	375
185/95	37	1.6/1.1	0.5	2.6	48.00	6700	4 x 0.8	1.88	49.00	7350	0.0991	361	430
240/120	37	1.7/1.2	0.6	2.6	55.00	8400	4 x 0.8	2.04	56.00	9260	0.0754	416	508
300/150	37	1.8/1.4	0.6	3.0	58.00	10450	4 x 0.8	2.20	59.00	11450	0.0601	464	575

## 1.1 KV THREE CORE COPPER CONDUCTOR, PVC INSULATED UNARMoured / ARMoured CABLE

CONFORMING SPECIFICATION IS 1554 (PART- I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE YY			ARMoured CABLE YWY & YFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Over all Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Over all Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	1.0	0.3	1.8	15.00	350	1.4	1.24	16.50	580	4.6100	36	30
6	1	1.0	0.3	1.8	16.80	425	1.4	1.24	18.00	700	3.0800	45	38
10	7	1.0	0.3	1.8	18.50	580	1.4	1.24	20.00	880	1.8300	60	52
16	7	1.0	0.3	1.8	18.90	700	4 x 0.8	1.40	20.30	950	1.1500	77	66
25	7	1.2	0.3	2.0	20.50	1040	4 x 0.8	1.40	21.50	1300	0.7270	99	90
35	7	1.4	0.3	2.0	22.10	1350	4 x 0.8	1.40	23.00	1630	0.5240	120	110
50	7	1.4	0.3	2.0	25.20	1780	4 x 0.8	1.56	26.50	2100	0.3870	145	135
70	19	1.4	0.4	2.2	29.00	2410	4 x 0.8	1.56	30.00	2800	0.2680	175	165
95	19	1.6	0.4	2.2	33.20	3300	4 x 0.8	1.56	34.50	3725	0.1930	210	200
120	19	1.6	0.4	2.2	35.10	4000	4 x 0.8	1.72	36.00	4550	0.1530	240	230
150	19	1.8	0.5	2.4	39.00	4990	4 x 0.8	1.88	40.00	5500	0.1240	270	265
185	37	2.0	0.5	2.6	43.50	6150	4 x 0.8	1.88	44.40	6700	0.0991	300	305
240	37	2.2	0.6	2.8	49.00	7800	4 x 0.8	2.20	50.00	8500	0.0754	345	355
300	37	2.4	0.6	3.0	54.20	9700	4 x 0.8	2.36	55.00	10500	0.0601	385	400

## 1.1 KV THREE CORE COPPER CONDUCTOR, XLPE INSULATED UNARMoured / ARMoured CABLE

## CONFORMING SPECIFICATION IS 7098 (PART-I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE 2XY			ARMoured CABLE 2XWY & 2XFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	0.7	0.3	1.8	13.50	310	1.4	1.24	16.00	540	4.6100	44	40
6	1	0.7	0.3	1.8	14.50	375	1.4	1.24	17.00	650	3.0800	55	51
10	7	0.7	0.3	1.8	16.00	515	1.4	1.24	19.00	830	1.8300	73	70
16	7	0.7	0.3	1.8	17.50	630	4 x 0.8	1.40	20.00	900	1.1500	97	90
25	7	0.9	0.3	1.8	20.00	950	4 x 0.8	1.40	21.00	1210	0.7270	122	123
35	7	0.9	0.3	2.0	21.00	1250	4 x 0.8	1.40	21.60	1540	0.5240	146	151
50	7	1.0	0.3	2.0	24.10	1650	4 x 0.8	1.56	25.40	1950	0.3870	172	183
70	19	1.1	0.4	2.0	28.00	2210	4 x 0.8	1.56	29.00	2700	0.2680	211	231
95	19	1.1	0.4	2.2	32.00	3150	4 x 0.8	1.56	33.00	3600	0.1930	253	285
120	19	1.2	0.4	2.2	34.10	3780	4 x 0.8	1.72	35.00	4200	0.1530	287	330
150	19	1.4	0.5	2.4	38.00	4790	4 x 0.8	1.88	39.00	5250	0.1240	321	375
185	37	1.6	0.5	2.6	42.00	5825	4 x 0.8	2.04	43.00	6400	0.0991	361	430
240	37	1.7	0.6	2.8	48.20	7500	4 x 0.8	2.20	49.00	8100	0.0754	416	508
300	37	1.8	0.6	3.0	53.00	9400	4 x 0.8	2.36	54.00	9900	0.0601	464	575

## 1.1 KV TWO CORE COPPER CONDUCTOR, PVC INSULATED UNARMoured / ARMoured CABLE

## CONFORMING SPECIFICATION IS 1554 (PART- I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE YY			ARMoured CABLE YWY & YFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Over all Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Over all Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	1.0	0.3	1.8	14.00	280	1.4	1.24	14.80	510	4.6100	41	35
6	1	1.0	0.3	1.8	15.00	355	1.4	1.24	15.60	650	3.0800	50	45
10	7	1.0	0.3	1.8	17.00	460	1.4	1.24	18.00	810	1.8300	70	60
16	7	1.0	0.3	1.8	17.00	500	1.4	1.40	17.00	800	1.1500	90	78
25	7	1.2	0.3	2.0	20.00	735	4 x 0.8	1.40	20.50	950	0.7270	115	105
35	7	1.2	0.3	2.0	22.00	950	4 x 0.8	1.40	21.00	1200	0.5240	140	125
50	7	1.4	0.3	2.0	25.00	1240	4 x 0.8	1.56	24.00	1510	0.3870	165	155
70	19	1.4	0.3	2.0	28.00	1690	4 x 0.8	1.56	27.00	2000	0.2680	205	195
95	19	1.6	0.4	2.2	32.00	2225	4 x 0.8	1.56	30.50	2600	0.1930	240	230
120	19	1.6	0.4	2.2	33.00	2700	4 x 0.8	1.72	32.50	3200	0.1530	275	265
150	19	1.8	0.4	2.4	36.00	3350	4 x 0.8	1.72	35.50	3825	0.1240	310	305
185	37	2.0	0.5	2.4	40.00	4100	4 x 0.8	1.88	38.00	4600	0.0991	350	350
240	37	2.2	0.5	2.6	45.00	5200	4 x 0.8	2.04	44.00	5800	0.0754	405	410
300	37	2.4	0.6	2.8	50.00	6550	4 x 0.8	2.20	48.50	7200	0.0601	430	465

## 1.1 KV TWO CORE COPPER CONDUCTOR, XLPE INSULATED UNARMoured / ARMoured CABLE

## CONFORMING SPECIFICATION IS 7098 (PART-I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE YY			ARMoured CABLE YWY & YFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	0.7	0.3	1.8	13.00	260	1.4	1.24	15.00	500	4.6100	56	51
6	1	0.7	0.3	1.8	14.00	330	1.4	1.24	16.00	630	3.0800	71	64
10	7	0.7	0.3	1.8	15.00	425	1.4	1.24	18.00	780	1.8300	92	88
16	7	0.9	0.3	1.8	15.00	470	1.4	1.40	17.50	760	1.1500	116	113
25	7	0.9	0.3	2.0	17.00	700	4 x 0.8	1.40	19.50	910	0.7270	152	153
35	7	1.0	0.3	2.0	19.00	900	4 x 0.8	1.40	21.00	1120	0.5240	180	186
50	7	1.1	0.3	2.0	22.00	1200	4 x 0.8	1.56	24.00	1440	0.3870	218	226
70	19	1.1	0.3	2.0	26.00	1600	4 x 0.8	1.56	27.00	1910	0.2680	264	284
95	19	1.2	0.4	2.2	29.00	2100	4 x 0.8	1.56	30.00	2450	0.1930	314	348
120	19	1.4	0.4	2.2	32.00	2600	4 x 0.8	1.56	33.00	3050	0.1530	357	402
150	19	1.6	0.4	2.2	35.00	3250	4 x 0.8	1.72	36.00	3600	0.1240	403	461
185	37	1.7	0.5	2.4	39.00	3900	4 x 0.8	1.88	40.00	4380	0.0991	453	533
240	37	1.8	0.5	2.6	42.00	5000	4 x 0.8	1.88	45.00	5500	0.0754	518	633
300	37	2.0	0.6	2.8	48.00	6400	4 x 0.8	2.04	50.00	6900	0.0601	583	732



1.1 KV SINGLE CORE COPPER CONDUCTOR, PVC INSULATED UNARMoured / ARMoured CABLE													
CONFORMING SPECIFICATION IS 1554 (PART- I)													
Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE YY			ARMoured CABLE YWY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	1.0	0.3	1.8	8.00	100	1.4	1.24	10.50	160	4.6100	39	35
6	1	1.0	0.3	1.8	8.50	135	1.4	1.24	11.00	200	3.0800	49	44
10	7	1.0	0.3	1.8	9.50	180	1.4	1.24	12.00	250	1.8300	65	60
16	7	1.0	0.3	1.8	10.80	240	1.4	1.24	13.00	315	1.1500	85	82
25	7	1.2	0.3	1.8	12.50	350	1.4	1.24	15.00	435	0.7270	110	110
35	7	1.2	0.3	1.8	14.00	450	1.4	1.24	16.50	530	0.5240	130	130
50	7	1.4	0.3	1.8	15.50	585	1.4	1.24	18.00	690	0.3870	155	165
70	19	1.4	0.3	1.8	17.20	800	1.4	1.24	18.50	945	0.2680	190	205
95	19	1.6	0.4	1.8	19.50	1050	1.6	1.40	21.00	1180	0.1930	220	245
120	19	1.6	0.4	2.0	21.50	1300	1.6	1.40	23.00	1400	0.1530	250	280
150	19	1.8	0.4	2.0	23.50	1625	1.6	1.40	25.00	1700	0.1240	280	320
185	37	2.0	0.5	2.0	26.00	2000	1.6	1.40	27.00	2100	0.0991	305	370
240	37	2.2	0.5	2.0	30.00	2400	1.6	1.56	30.50	2650	0.0754	345	425
300	37	2.4	0.6	2.0	31.50	3000	1.6	1.56	33.50	3300	0.0601	375	475

## 1.1 KV SINGLE CORE COPPER CONDUCTOR, XLPE INSULATED UNARMoured / ARMoured CABLE

## CONFORMING SPECIFICATION IS 7098 (PART-I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE 2XY			ARMoured CABLE 2XWY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	0.7	0.3	1.8	7.50	95	1.4	1.24	10.00	155	4.6100	46	40
6	1	0.7	0.3	1.8	8.00	128	1.4	1.24	10.50	192	3.0800	57	51
10	7	0.7	0.3	1.8	9.00	168	1.4	1.24	11.00	235	1.8300	76	71
16	7	0.7	0.3	1.8	10.50	225	1.4	1.24	12.50	290	1.1500	97	95
25	7	0.9	0.3	1.8	12.00	335	1.4	1.24	14.50	410	0.7270	124	126
35	7	0.9	0.3	1.8	13.00	430	1.4	1.24	15.50	510	0.5240	148	152
50	7	1.0	0.3	1.8	14.50	560	1.4	1.24	17.00	660	0.3870	174	189
70	19	1.1	0.3	1.8	16.50	760	1.4	1.24	19.00	925	0.2680	213	240
95	19	1.1	0.4	1.8	18.50	1010	1.6	1.40	20.00	1140	0.1930	256	297
120	19	1.2	0.4	2.0	21.00	1250	1.6	1.40	22.50	1365	0.1530	289	346
150	19	1.4	0.4	2.0	23.00	1560	1.6	1.40	24.00	1625	0.1240	326	390
185	37	1.6	0.5	2.0	25.00	1920	1.6	1.40	26.50	2000	0.0991	366	460
240	37	1.7	0.5	2.0	27.50	2300	1.6	1.56	29.50	2525	0.0754	425	552
300	37	1.8	0.6	2.0	30.00	2925	1.6	1.56	32.00	3200	0.0601	479	640

## 1.1 KV FOUR CORE ALUMINIUM CONDUCTOR, PVC INSULATED UNARMoured / ARMoured CABLE

CONFORMING SPECIFICATION IS 1554 (PART- I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE AYY			ARMoured CABLE AYWY & AYFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Over all Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Over all Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	1.0	0.3	1.8	16.00	300	1.4	1.24	18.00	560	7.4100	28	23
6	1	1.0	0.3	1.8	17.00	400	1.4	1.24	19.00	650	4.6100	35	30
10	1	1.0	0.3	1.8	20.00	480	4 x 0.8	1.40	21.50	675	3.0800	46	40
16	7	1.2	0.3	2.0	21.00	525	4 x 0.8	1.40	22.00	750	1.9100	60	51
25	7	1.2	0.3	2.0	23.00	700	4 x 0.8	1.40	24.50	1050	1.2000	76	70
35	7	1.4	0.3	2.0	26.00	850	4 x 0.8	1.40	27.50	1250	0.8680	92	86
50	7	1.4	0.3	2.2	30.00	1175	4 x 0.8	1.56	32.00	1440	0.6410	110	105
70	19	1.6	0.3	2.2	33.00	1450	4 x 0.8	1.56	35.00	1890	0.4430	135	130
95	19	1.6	0.4	2.4	36.50	1950	4 x 0.8	1.72	39.00	2500	0.3200	165	155
120	19	1.8	0.4	2.4	41.00	2200	4 x 0.8	1.80	43.00	3000	0.2530	185	180
150	19	1.8	0.4	2.6	44.40	2800	4 x 0.8	1.88	46.00	3450	0.2060	210	205
185	37	2.0	0.5	2.8	50.60	3400	4 x 0.8	2.04	52.00	4150	0.1640	235	240
240	37	2.2	0.5	3.0	57.50	4325	4 x 0.8	2.36	59.00	5100	0.1250	275	280
300	37	2.4	0.6	3.4	63.00	5300	4 x 0.8	2.52	64.00	6300	0.1000	305	315
400	61	2.6	0.7	3.6	68.00	7100	4 x 0.8	2.68	72.00	7950	0.0778	335	375

## 1.1 KV FOUR CORE ALUMINIUM CONDUCTOR, XLPE INSULATED UNARMoured / ARMoured CABLE

## CONFORMING SPECIFICATION IS 7098 (PART- I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE A2XY			ARMoured CABLE A2XWY & A2XFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Over all Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Over all Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	0.7	0.3	1.6	15.00	250	1.4	1.24	17.00	540	7.4100	34	31
6	1	0.7	0.3	1.8	16.00	300	1.4	1.24	18.00	600	4.6100	43	40
10	1	0.7	0.3	1.8	19.00	385	4 x 0.8	1.40	19.00	650	3.0800	57	53
16	7	0.7	0.3	1.8	20.50	450	4 x 0.8	1.40	21.00	710	1.9100	73	70
25	7	0.9	0.3	2.0	22.50	560	4 x 0.8	1.40	25.00	860	1.2000	94	96
35	7	0.9	0.3	2.0	25.60	685	4 x 0.8	1.40	27.00	1050	0.8680	113	117
50	7	1.0	0.3	2.0	27.50	850	4 x 0.8	1.56	28.50	1325	0.6410	133	142
70	19	1.1	0.3	2.2	32.00	1100	4 x 0.8	1.56	33.00	1700	0.4430	164	179
95	19	1.1	0.4	2.2	35.00	1450	4 x 0.8	1.56	36.50	2100	0.3200	196	221
120	19	1.2	0.4	2.4	39.60	1880	4 x 0.8	1.72	41.00	2500	0.2530	223	257
150	19	1.4	0.4	2.6	44.00	2300	4 x 0.8	1.88	45.00	3000	0.2060	249	292
185	37	1.6	0.5	2.8	49.00	2900	4 x 0.8	2.04	50.00	3600	0.1640	282	337
240	37	1.7	0.5	3.0	55.00	3600	4 x 0.8	2.20	57.00	4450	0.1250	326	399
300	37	1.8	0.6	3.2	61.00	4450	4 x 0.8	2.36	62.00	5400	0.1000	367	456
400	61	2.0	0.7	3.6	66.00	6750	4 x 0.8	2.68	70.50	7600	0.0778	418	530

## 1.1 KV THREE AND HALF CORE ALUMINIUM CONDUCTOR, PVC INSULATED UNARMoured / ARMoured CABLE

## CONFORMING SPECIFICATION IS 1554 (PART- I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE AYY			ARMoured CABLE AYWY & AYFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
25/16	7	1.2/1.0	0.3	2.0	24.00	670	4 x 0.8	1.40	25.00	970	1.2000	76	70
35/16	7	1.2/1.0	0.3	2.0	27.00	780	4 x 0.8	1.40	28.00	1140	0.8680	92	86
50/25	7	1.4/1.2	0.3	2.0	30.00	1000	4 x 0.8	1.56	33.00	1450	0.6410	110	105
70/35	19	1.4/1.2	0.3	2.2	34.00	1320	4 x 0.8	1.56	35.00	1810	0.4430	135	130
95/50	19	1.6/1.4	0.4	2.2	40.00	1720	4 x 0.8	1.56	38.00	2200	0.3200	163	155
120/70	19	1.6/1.4	0.4	2.4	42.00	2090	4 x 0.8	1.72	43.00	2580	0.2530	185	180
150/70	19	1.8/1.4	0.4	2.4	45.00	2410	4 x 0.8	1.88	47.00	2970	0.2060	210	205
185/95	37	2.0/1.6	0.5	2.6	50.00	3050	4 x 0.8	2.04	51.00	3650	0.1640	235	240
240/120	37	2.2/1.6	0.5	3.0	57.00	3850	4 x 0.8	2.20	58.00	4400	0.1250	275	280
300/150	37	2.4/1.8	0.6	3.2	63.00	4750	4 x 0.8	2.36	64.00	5250	0.1000	305	315
400/185	61	2.6/2.0	0.7	3.4	66.00	6300	4 x 0.8	2.68	68.00	7100	0.0778	335	375

## 1.1 KV THREE AND HALF CORE ALUMINIUM CONDUCTOR, XLPE INSULATED UNARMoured / ARMoured CABLE

## CONFORMING SPECIFICATION IS 7098 (PART- I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE A2XY			ARMoured CABLE A2XWY & A2XFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
25/16	7	0.9/0.7	0.3	2.0	22.00	580	4 x 0.8	1.40	23.00	850	1.2000	94	96
35/16	7	0.9/0.7	0.3	2.0	24.00	690	4 x 0.8	1.40	25.00	1000	0.8680	113	117
50/25	7	1.0/0.9	0.3	2.0	27.00	890	4 x 0.8	1.40	28.00	1325	0.6410	133	142
70/35	19	1.1/0.9	0.3	2.2	32.00	1210	4 x 0.8	1.56	32.50	1575	0.4430	164	179
95/50	19	1.1/1.0	0.4	2.2	35.00	1540	4 x 0.8	1.56	36.50	1975	0.3200	196	221
120/70	19	1.2/1.1	0.4	2.2	39.00	1880	4 x 0.8	1.72	40.00	2390	0.2530	223	257
150/70	19	1.4/1.1	0.4	2.4	43.00	2270	4 x 0.8	1.72	44.00	2785	0.2060	249	292
185/95	37	1.6/1.1	0.5	2.6	48.00	2800	4 x 0.8	1.88	49.00	3300	0.1640	282	337
240/120	37	1.7/1.2	0.5	2.8	55.00	3600	4 x 0.8	2.04	56.00	4100	0.1250	326	399
300/150	37	1.8/1.4	0.6	3.0	58.00	4350	4 x 0.8	2.20	59.00	4900	0.1000	367	456
400/185	61	2.0/1.6	0.7	3.4	65.00	6100	4 x 0.8	2.52	67.00	6850	0.0778	418	530

## 1.1 KV THREE CORE ALUMINIUM CONDUCTOR, PVC INSULATED UNARMoured / ARMoured CABLE

## CONFORMING SPECIFICATION IS 1554 (PART- I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE AYY			ARMoured CABLE AYWY & AYFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	1.0	0.3	1.8	15.00	265	1.4	1.24	16.50	525	7.4100	28	23
6	1	1.0	0.3	1.8	16.80	320	1.4	1.24	18.00	615	4.6100	35	30
10	1	1.0	0.3	1.8	18.50	395	1.4	1.40	20.00	760	3.0800	46	40
16	7	1.0	0.3	1.8	18.90	415	4 x 0.8	1.40	20.30	720	1.9100	60	51
25	7	1.2	0.3	2.0	20.50	530	4 x 0.8	1.40	21.50	860	1.2000	76	70
35	7	1.2	0.3	2.0	22.10	660	4 x 0.8	1.40	23.00	1000	0.8680	92	86
50	7	1.4	0.3	2.0	25.20	875	4 x 0.8	1.56	26.50	1250	0.6410	110	105
70	19	1.4	0.3	2.2	29.00	1100	4 x 0.8	1.56	30.00	1490	0.4430	135	130
95	19	1.6	0.4	2.2	33.20	1500	4 x 0.8	1.72	34.50	1900	0.3200	165	155
120	19	1.6	0.4	2.2	35.10	1780	4 x 0.8	1.72	36.00	2300	0.2530	185	180
150	19	1.8	0.4	2.4	39.00	2150	4 x 0.8	1.88	40.00	2710	0.2060	210	205
185	37	2.0	0.5	2.6	43.50	2680	4 x 0.8	2.04	44.40	3225	0.1640	235	240
240	37	2.2	0.5	2.8	49.00	3260	4 x 0.8	2.20	50.00	3900	0.1250	275	280
300	37	2.4	0.6	3.0	54.20	4050	4 x 0.8	2.36	55.00	4875	0.1000	305	315
400	61	2.6	0.7	3.4	61.00	4400	4 x 0.8	2.52	65.00	6200	0.0778	335	375

## 1.1 KV THREE CORE ALUMINIUM CONDUCTOR, XLPE INSULATED UNARMoured / ARMoured CABLE

## CONFORMING SPECIFICATION IS 7098 (PART- I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE A2XY			ARMoured CABLE A2XWY & A2XFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Over all Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Over all Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	0.7	0.3	1.8	13.50	200	1.4	1.24	16.00	495	7.4100	34	31
6	1	0.7	0.3	1.8	14.50	225	1.4	1.24	17.00	560	4.6100	43	40
10	1	0.7	0.3	1.8	16.00	300	1.4	1.24	19.00	665	3.0800	57	53
16	7	0.7	0.3	1.8	17.50	365	4 x 0.8	1.24	20.00	700	1.9100	73	70
25	7	0.9	0.3	1.8	20.00	480	4 x 0.8	1.24	21.00	760	1.2000	94	96
35	7	0.9	0.3	1.8	21.00	580	4 x 0.8	1.24	21.60	890	0.8680	113	117
50	7	1.0	0.3	1.8	24.10	700	4 x 0.8	1.24	25.40	1000	0.6410	133	142
70	19	1.1	0.3	1.8	28.00	980	4 x 0.8	1.24	29.00	1375	0.4430	164	179
95	19	1.1	0.4	1.8	32.00	1250	4 x 0.8	1.40	33.00	1650	0.3200	196	221
120	19	1.2	0.4	1.8	34.10	1500	4 x 0.8	1.40	35.00	2000	0.2530	223	257
150	19	1.4	0.4	2.0	38.00	1900	4 x 0.8	1.40	39.00	2300	0.2060	249	292
185	37	1.6	0.5	2.0	42.00	2300	4 x 0.8	1.40	43.00	2850	0.1640	282	337
240	37	1.7	0.5	2.0	48.20	2900	4 x 0.8	1.40	49.00	3500	0.1250	326	399
300	37	1.8	0.6	2.0	53.00	3550	4 x 0.8	1.56	54.00	4250	0.1000	367	456
400	61	2.0	0.7	2.2	60.00	4150	4 x 0.8	1.72	63.00	5800	0.0778	418	530



## 1.1 KV TWO CORE ALUMINIUM CONDUCTOR, PVC INSULATED UNARMoured / ARMoured CABLE

## CONFORMING SPECIFICATION IS 1554 (PART-I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE AYY			ARMoured CABLE AYWY & AYFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Nominal Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	1.0	0.3	1.8	14.00	200	1.4	1.24	14.80	450	7.410	32	27
6	1	1.0	0.3	1.8	15.00	240	1.4	1.24	15.60	500	4.610	40	35
10	1	1.0	0.3	1.8	17.00	320	1.4	1.24	18.00	600	3.080	55	47
16	7	1.2	0.3	1.8	17.00	320	4 x 0.8	1.40	17.00	585	1.910	70	59
25	7	1.2	0.3	2.0	20.00	430	4 x 0.8	1.40	20.50	660	1.200	90	78
35	7	1.4	0.3	2.0	22.00	510	4 x 0.8	1.40	21.00	750	0.868	110	99
50	7	1.4	0.3	2.0	25.00	650	4 x 0.8	1.56	24.00	950	0.641	135	125
70	19	1.6	0.3	2.0	28.00	820	4 x 0.8	1.56	27.00	1150	0.443	160	150
95	19	1.6	0.4	2.2	32.00	1100	4 x 0.8	1.56	30.50	1480	0.320	190	185
120	19	1.6	0.4	2.2	33.00	1260	4 x 0.8	1.72	32.50	1680	0.253	210	210
150	19	1.8	0.4	2.4	36.00	1530	4 x 0.8	1.72	35.50	2010	0.206	240	240
185	37	2.0	0.5	2.4	40.00	1860	4 x 0.8	1.88	38.00	2400	0.164	275	275
240	37	2.2	0.5	2.6	45.00	2370	4 x 0.8	2.04	44.00	2950	0.125	320	325
300	37	2.4	0.6	2.8	50.00	2920	4 x 0.8	2.20	48.50	3500	0.100	355	365
400	61	2.6	0.7	3.2	53.00	3800	4 x 0.8	2.36	56.50	4500	0.078	385	421

1.1 KV TWO CORE ALUMINIUM CONDUCTOR, XLPE INSULATED UNARMoured / ARMoured CABLE													
CONFORMING SPECIFICATION IS 7098 (PART-I)													
Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	Minimum Thickness Of Inner Sheath	UNARMoured CABLE A2XY			ARMoured CABLE A2XWY & A2XFY				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
				Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire - Strip	Minimum Thickness Of Outer Sheath	Approx. Overall Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	ohm/km	Amps.	Amps.
4	1	0.7	0.3	1.8	13.00	190	1.4	1.24	15.00	460	7.410	43	39
6	1	0.7	0.3	1.8	14.00	230	1.4	1.24	16.00	550	4.610	55	50
10	1	0.7	0.3	1.8	15.00	290	1.4	1.24	18.00	650	3.080	74	67
16	7	0.9	0.3	1.8	15.00	280	4 x 0.8	1.40	17.50	580	1.910	91	88
25	7	0.9	0.3	2.0	17.00	320	4 x 0.8	1.40	19.50	650	1.200	120	117
35	7	1.0	0.3	2.0	19.00	390	4 x 0.8	1.40	21.00	760	0.868	143	145
50	7	1.1	0.3	2.0	22.00	480	4 x 0.8	1.56	24.00	900	0.641	167	176
70	19	1.1	0.3	2.0	26.00	630	4 x 0.8	1.56	27.00	1100	0.443	204	221
95	19	1.2	0.4	2.2	29.00	820	4 x 0.8	1.56	30.00	1350	0.320	245	271
120	19	1.4	0.4	2.2	32.00	990	4 x 0.8	1.72	33.00	1600	0.253	278	316
150	19	1.6	0.4	2.2	35.00	1190	4 x 0.8	1.72	36.00	1900	0.206	315	362
185	37	1.7	0.5	2.4	39.00	1500	4 x 0.8	1.88	40.00	2300	0.164	356	421
240	37	1.8	0.5	2.6	42.00	1900	4 x 0.8	2.04	45.00	2550	0.125	407	497
300	37	2.0	0.6	2.8	48.00	2330	4 x 0.8	2.20	50.00	3300	0.100	463	578
400	61	2.0	0.6	3.0	51.50	3600	4 x 0.8	2.36	54.50	4250	0.078	528	678

1.1 KV SINGLE CORE ALUMINIUM CONDUCTOR, PVC INSULATED UNARMOURED / ARMOURED CABLE												
CONFORMING SPECIFICATION IS 1554(PART-I)												
Nomin al Cross Section al Area	Minim um No Of Wires	Nomin al Thickn ess Of Insulati on	UNARMOURED CABLE AYY			ARMOURED CABLE AYWaY				Max D.C Conduc tor Resista nce at 20° c	CURRENT RATING	
			Nomin al Thickn ess Of Outer Sheath	Appr ox. Over all Dia Of Cable	Appr ox. Weig ht Of Cable	Diamet er Of Armou red Wire (W)	Minim um Thickn ess Of Outer Sheath	Appr ox. Over all Dia Of Cable	Appr ox. Weig ht Of Cable		Direct In Grou nd	In Air
mm <sup>2</sup>		mm	mm	mm	kg/k m	mm	mm	mm	kg/k m	ohm/k m	Amp s.	Am ps.
4	1	1.0	1.8	8.00	81	1.4	1.24	10.50	145	7.4100	31	27
6	1	1.0	1.8	8.50	90	1.4	1.24	11.00	160	4.6100	39	35
10	1	1.0	1.8	9.50	110	1.4	1.24	12.00	200	3.0800	51	47
16	7	1.0	1.8	10.80	150	1.4	1.24	13.00	230	1.9100	66	64
25	7	1.2	1.8	12.50	210	1.4	1.24	15.00	290	1.2000	86	84
35	7	1.2	1.8	14.00	250	1.4	1.24	16.50	340	0.8680	100	105
50	7	1.4	1.8	15.50	330	1.4	1.24	18.00	425	0.6410	120	130
70	19	1.4	1.8	17.20	400	1.4	1.24	18.50	540	0.4430	140	155
95	19	1.6	1.8	19.50	520	1.6	1.40	21.00	660	0.3200	175	190
120	19	1.6	2.0	21.50	630	1.6	1.40	23.00	780	0.2530	195	220
150	19	1.8	2.0	23.50	780	1.6	1.40	25.00	900	0.2060	220	250
185	37	2.0	2.0	26.00	920	1.6	1.40	27.00	1100	0.1640	240	290
240	37	2.2	2.0	30.00	1150	1.6	1.56	30.50	1325	0.1250	270	335
300	37	2.4	2.0	31.50	1360	1.6	1.56	33.50	1600	0.1000	295	380
400	61	2.6	2.2	34.50	1725	1.6	1.56	36.00	2000	0.0778	325	435
500	61	3.0	2.2	38.00	2125	2.0	1.56	40.00	2450	0.0665	345	480
630	61	3.4	2.4	43.00	2700	2.0	1.72	45.00	3100	0.0469	390	550
800	91	3.4	2.4	47.50	3280	2.0	1.88	50.00	3700	0.0367	440	600
1000	91	3.4	2.6	52.00	4000	2.5	2.04	54.00	4600	0.0291	500	680

## 1.1 KV SINGLE CORE ALUMINIUM CONDUCTOR, XLPE INSULATED UNARMoured / ARMoured CABLE

CONFORMING SPECIFICATION IS 7098 (PART-I)

Nominal Cross Sectional Area	Minimum No Of Wires	Nominal Thickness Of Insulation	UNARMoured CABLE A2XY			ARMoured CABLE A2XW <sub>a</sub> Y				Max D.C Conductor Resistance at 20° c	CURRENT RATING	
			Nominal Thickness Of Outer Sheath	Approx. Over all Dia Of Cable	Approx. Weight Of Cable	Diameter Of Armoured Wire (W)	Minimum Thickness Of Outer Sheath	Approx. Over all Dia Of Cable	Approx. Weight Of Cable		Direct In Ground	In Air
mm <sup>2</sup>		mm	mm	mm	kg/km	mm	mm	mm	kg/km	ohm/km	Amps.	Amps.
4	1	0.7	1.8	7.50	70	1.4	1.24	10.00	115	7.4100	36	31
6	1	0.7	1.8	8.00	80	1.4	1.24	10.50	135	4.6100	44	39
10	1	0.7	1.8	9.00	90	1.4	1.24	11.00	165	3.0800	59	53
16	7	0.7	1.8	10.50	130	1.4	1.24	12.50	200	1.9100	76	73
25	7	0.9	1.8	12.00	180	1.4	1.24	14.50	260	1.2000	96	98
35	7	0.9	1.8	13.00	230	1.4	1.24	15.50	310	0.8680	114	121
50	7	1.0	1.8	14.50	300	1.4	1.24	17.00	390	0.6410	135	150
70	19	1.1	1.8	16.50	370	1.4	1.24	19.00	505	0.4430	166	187
95	19	1.1	1.8	18.50	470	1.6	1.40	20.00	620	0.3200	198	230
120	19	1.2	2.0	21.00	580	1.6	1.40	22.50	740	0.2530	225	268
150	19	1.4	2.0	23.00	720	1.6	1.40	24.00	860	0.2060	250	309
185	37	1.6	2.0	25.00	840	1.6	1.40	26.50	1010	0.1640	286	360
240	37	1.7	2.0	27.50	1040	1.6	1.56	29.50	1225	0.1250	332	433
300	37	1.8	2.0	30.00	1260	1.6	1.56	32.00	1450	0.1000	376	501
400	61	2.0	2.2	33.00	1550	1.6	1.56	35.00	1900	0.0778	431	596
500	61	2.2	2.2	36.00	1900	2.0	1.56	38.00	2325	0.0665	490	693
630	61	2.4	2.4	40.50	2450	2.0	1.72	43.00	2810	0.0469	557	814
800	91	2.6	2.4	44.00	2900	2.0	1.88	48.00	3550	0.0367	632	890
1000	91	2.8	2.6	49.50	3700	2.5	2.04	51.00	4450	0.0291	701	1102