



**Henan Huaxing Wires and Cable Co.,Ltd**  
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## 1. Single Core Aluminum Conductor Cable 3.8/6.6 KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	UNARMoured CABLE				Minimum Thickness of Inner Sheath	ALUMINIUM STRIP ARMoured CABLE				ALUMINIUM ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diaeter of Cable	Approx. Weight of Cable	Kg/Km		Nominal Dimesion of Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimesion of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Kg/Km	In Ground at 30° C.	In Duct at 30° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.	
35	2.8	2.0	19	450	0.30	0.8	1.4	20	550	1.6	1.40	21.5	620	120	105	145	500	
50	2.8	2.0	20	500	0.30	0.8	1.4	21	600	1.6	1.40	22.5	700	140	125	170	500	
70	2.8	2.0	22	600	0.30	0.8	1.4	23	750	1.6	1.40	24.5	800	175	155	215	500	
95	2.8	2.0	23.5	750	0.30	0.8	1.4	24.5	850	1.6	1.40	26	950	205	180	260	500	
120	2.8	2.0	25	850	0.30	0.8	1.4	26	950	1.6	1.40	28	1050	235	205	305	500	
150	2.8	2.0	26	950	0.30	0.8	1.4	27.5	1100	1.6	1.56	29.5	1200	260	230	345	500	
185	2.8	2.0	28	1100	0.30	0.8	1.56	30	1250	1.6	1.56	31.5	1400	295	260	395	500	
240	2.8	2.2	31	1350	0.40	0.8	1.56	32	1500	2.0	1.56	34.5	1700	340	300	470	500	
300	3.0	2.2	33.5	1550	0.40	0.8	1.56	35	1750	2.0	1.56	37	2000	385	335	540	500	
400	3.3	2.2	37.5	1950	0.40	0.8	1.56	39	2200	2.0	1.72	41.5	2450	440	380	630	500	
500	3.5	2.4	41	2400	0.50	0.8	1.72	42.5	2650	2.0	1.88	45.5	2950	495	430	730	500	
630	3.5	2.4	44.5	2850	0.50	0.8	1.88	46.5	3200	2.0	1.88	49	3450	560	480	840	500	
800	3.5	2.6	49	3450	0.50	0.8	1.88	50	3750	2.5	2.04	54	4300	620	530	960	500	
1000	3.6	2.8	54	4250	0.60	0.8	2.04	55.5	4600	2.5	2.20	59.5	5150	680	580	1070	500	

## 2. Single Core Copper Conductor Cable 3.8/6.6 KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	UNARMoured CABLE				Minimum Thickness of Inner Sheath	ALUMINIUM STRIP ARMoured CABLE				ALUMINIUM ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diaeter of Cable	Approx. Weight of Cable	Kg/Km		Nominal Dimesion of Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimesion of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Kg/Km	In Ground at 30° C.	In Duct at 30° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.	
35	2.8	2.0	19	670	0.30	0.8	1.4	20	750	1.6	1.40	21.5	850	155	140	185	500	
50	2.8	2.0	20	850	0.30	0.8	1.4	21	900	1.6	1.40	22.5	1000	185	160	220	500	
70	2.8	2.0	22	1050	0.30	0.8	1.4	23	1150	1.6	1.40	24.5	1250	225	195	275	500	
95	2.8	2.0	23.5	1300	0.30	0.8	1.4	24.5	1450	1.6	1.40	26	1550	265	235	340	500	
120	2.8	2.0	25	1600	0.30	0.8	1.4	26	1700	1.6	1.40	28	1800	300	265	390	500	
150	2.8	2.0	26	1900	0.30	0.8	1.4	27.5	2050	1.6	1.56	29.5	2150	335	295	440	500	
185	2.8	2.0	28	2250	0.30	0.8	1.56	30	2400	1.6	1.56	31.5	2550	380	330	510	500	
240	2.8	2.2	31	2850	0.40	0.8	1.56	32	3000	2.0	1.56	34.5	3200	435	380	600	500	
300	3.0	2.2	33.5	3450	0.40	0.8	1.56	35	3600	2.0	1.56	37	3850	490	425	680	500	
400	3.3	2.2	37.5	4450	0.40	0.8	1.56	39	4650	2.0	1.72	41.5	4950	550	480	790	500	
500	3.5	2.4	41	5500	0.50	0.8	1.72	42.5	5750	2.0	1.88	45.5	6050	610	530	910	500	
630	3.5	2.4	44.5	6750	0.50	0.8	1.88	46.5	7100	2.0	1.88	49	7350	680	580	1030	500	
800	3.5	2.6	49	8450	0.50	0.8	1.88	50	8700	2.5	2.04	54	9250	740	630	1140	500	
1000	3.6	2.8	54	10450	0.60	0.8	2.04	55.5	10800	2.5	2.20	59.5	11350	790	670	1250	500	



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### 3. Single Core Aluminum Conductor Cable 6.35/11KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	UNARMoured CABLE				Minimum Thickness of Inner Sheath	ALUMINIUM STRIP ARMoured CABLE				ALUMINIUM ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diaeter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimesion of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.		
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.	
35	3.6	2.0	20.5	550	0.30	0.8	1.4	23.0	650	1.6	1.40	23.5	750	120	105	145	500	
50	3.6	2.0	22	600	0.30	0.8	1.4	24.0	700	1.6	1.40	24.5	800	140	125	170	500	
70	3.6	2.0	23.3	700	0.30	0.8	1.4	25.5	800	1.6	1.40	26.5	950	175	155	215	500	
95	3.6	2.0	25	800	0.30	0.8	1.4	27.5	950	1.6	1.40	28	1050	205	180	260	500	
120	3.6	2.0	27	950	0.30	0.8	1.4	29.0	1050	1.6	1.56	30	1200	235	205	305	500	
150	3.6	2.0	28	1050	0.30	0.8	1.56	30.5	1200	1.6	1.56	31.5	1350	260	230	345	500	
185	3.6	2.2	30.5	1250	0.40	0.8	1.56	33.0	1400	2.0	1.56	33.5	1600	295	260	395	500	
240	3.6	2.2	34	1450	0.40	0.8	1.56	35.0	1600	2.0	1.56	36	1850	340	300	470	500	
300	3.6	2.2	34.5	1650	0.40	0.8	1.56	37.0	1850	2.0	1.56	38	2100	385	335	540	500	
400	3.6	2.2	37.5	2000	0.40	0.8	1.72	40.5	2250	2.0	1.72	41.5	2550	440	380	630	500	
500	3.6	2.4	41	2450	0.50	0.8	1.72	43	2650	2.0	1.88	44.5	3000	495	430	730	500	
630	3.6	2.4	44.5	2900	0.50	0.8	1.88	46.5	3200	2.0	1.88	43	3450	560	480	840	500	
800	3.6	2.6	48.5	3500	0.50	0.8	1.88	50.5	3800	2.5	2.04	53	4300	620	530	960	500	
1000	3.6	2.8	53.5	4250	0.60	0.8	2.04	55.5	4600	2.5	2.20	58.5	5150	680	580	1070	500	

### 4. Single Core Copper Conductor Cable 6.35/11KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	UNARMoured CABLE				Minimum Thickness of Inner Sheath	ALUMINIUM STRIP ARMoured CABLE				ALUMINIUM ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diaeter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimesion of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.		
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.	
35	3.6	2.0	21.5	750	0.30	0.8	1.4	23.0	850	1.6	1.40	24.5	950	155	140	185	500	
50	3.6	2.0	23.0	900	0.30	0.8	1.4	24.0	1000	1.6	1.40	25.5	1110	185	160	220	500	
70	3.6	2.0	24.5	1150	0.30	0.8	1.4	25.5	1250	1.6	1.40	27.5	1350	225	195	275	500	
95	3.6	2.0	26.0	1400	0.30	0.8	1.4	27.5	1550	1.6	1.40	29.0	1650	265	235	340	500	
120	3.6	2.0	28.0	1650	0.30	0.8	1.4	29.0	1800	1.6	1.56	31.0	1950	300	265	390	500	
150	3.6	2.0	29.0	1950	0.30	0.8	1.56	30.5	2150	1.6	1.56	32.5	2250	335	295	440	500	
185	3.6	2.2	31.5	2400	0.40	0.8	1.56	33.0	2550	2.0	1.56	35.5	2750	380	330	510	500	
240	3.6	2.2	33.5	2900	0.40	0.8	1.56	35.0	3100	2.0	1.56	38.0	3350	435	380	600	500	
300	3.6	2.2	36.0	3500	0.40	0.8	1.56	37.0	3700	2.0	1.56	40.0	3950	490	425	680	500	
400	3.6	2.2	39.0	4500	0.40	0.8	1.72	40.5	4750	2.0	1.72	43.5	5050	550	480	790	500	
500	3.6	2.4	42.5	5500	0.50	0.8	1.72	44.0	5800	2.0	1.88	46.5	6100	610	530	910	500	
630	3.6	2.4	46.0	6800	0.50	0.8	1.88	47.5	7100	2.0	1.88	50.0	7350	680	580	1030	500	
800	3.6	2.6	50.0	8450	0.50	0.8	1.88	51.5	8750	2.5	2.04	55.0	9250	740	630	1140	500	
1000	3.6	2.8	55.0	10450	0.60	0.8	2.04	56.5	10800	2.5	2.20	60.5	11350	790	670	1250	500	



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## 5. Single Core Aluminum Conductor Cable 12/20KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	UNARMORED CABLE				Minimum Thickness of Inner Sheath	ALUMINIUM STRIP ARMORED CABLE				ALUMINIUM ROUND WIRE ARMORED CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diaeter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimesion of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.		
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.	
70	5.5	2.0	28	850	0.30	0.8	1.56	30.0	1050	1.6	1.56	31.5	1150	175	155	215	500	
95	5.5	2.0	29.5	980	0.30	0.8	1.56	31	1200	2.0	1.56	33.5	1350	205	180	260	500	
120	5.5	2.2	31.5	1150	0.40	0.8	1.56	32.5	1300	2.0	1.56	35.5	1500	235	205	305	500	
150	5.5	2.2	33	1260	0.40	0.8	1.56	34	1450	2.0	1.56	36	1650	260	230	345	500	
185	5.5	2.2	34.5	1430	0.40	0.8	1.56	36	1600	2.0	1.56	38	1850	295	260	395	500	
240	5.5	2.2	36.5	1650	0.40	0.8	1.56	38	1850	2.0	1.72	41	2150	340	300	470	500	
300	5.5	2.2	38.5	1900	0.40	0.8	1.72	40.5	2150	2.0	1.72	43	2400	385	335	540	500	
400	5.5	2.4	42	2300	0.50	0.8	1.72	44	2600	2.0	1.88	46.5	2900	440	380	630	500	
500	5.5	2.4	45	2700	0.50	0.8	1.88	47	3000	2.5	2.04	51	3500	495	430	730	500	
630	5.5	2.6	48.5	3200	0.50	0.8	1.88	50.5	3500	2.5	2.04	53.5	4050	560	480	840	500	
800	5.5	2.8	52.5	3880	0.60	0.8	2.04	54.5	4200	2.5	2.2	58.5	4800	620	530	960	500	
1000	5.5	2.8	57.5	4600	0.60	0.8	2.2	59.5	5000	2.5	2.36	63.5	5650	680	580	1070	500	

## 6. Single Core Copper Conductor Cable 12/20KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	UNARMORED CABLE				Minimum Thickness of Inner Sheath	ALUMINIUM STRIP ARMORED CABLE				ALUMINIUM ROUND WIRE ARMORED CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diaeter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimesion of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.		
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.	
70	5.5	2.0	28.5	1300	0.30	0.8	1.56	30.0	1500	1.6	1.56	31.5	1600	225	195	275	500	
95	5.5	2.0	30.0	1550	0.30	0.8	1.56	32.0	1800	2.0	1.56	34.0	1950	265	235	340	500	
120	5.5	2.2	32.0	1900	0.40	0.8	1.56	33.5	2050	2.0	1.56	36.0	2250	300	265	390	500	
150	5.5	2.2	33.5	2200	0.40	0.8	1.56	35.0	2400	2.0	1.56	37.0	2600	335	295	440	500	
185	5.5	2.2	35.5	2600	0.40	0.8	1.56	37.0	2750	2.0	1.56	39.0	3000	380	330	510	500	
240	5.5	2.2	37.5	3150	0.40	0.8	1.56	39.0	3350	2.0	1.72	42.0	3650	435	380	600	500	
300	5.5	2.2	39.5	3750	0.40	0.8	1.72	41.5	4000	2.0	1.72	44.0	4250	490	425	680	500	
400	5.5	2.4	43.0	4800	0.50	0.8	1.72	45.0	5100	2.0	1.88	47.5	5400	550	480	790	500	
500	5.5	2.4	46.0	5800	0.50	0.8	1.88	48.0	6100	2.5	2.04	52.0	6600	610	530	910	500	
630	5.5	2.6	50.0	7100	0.50	0.8	1.88	51.5	7400	2.5	2.04	55.0	7950	680	580	1030	500	
800	5.5	2.8	54.0	8850	0.60	0.8	2.04	56.0	9150	2.5	2.2	60.0	9750	740	630	1140	500	
1000	5.5	2.8	59.0	10800	0.60	0.8	2.2	61.0	11200	2.5	2.36	65.0	11850	790	670	1250	500	



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## 7. Single Core Aluminum Conductor Cable 19/33KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	UNARMoured CABLE				Minimum Thickness of Inner Sheath	ALUMINIUM STRIP ARMoured CABLE				ALUMINIUM ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.		
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.	
95	8.8	2.2	36.5	1400	0.40	0.8	1.56	38.5	1600	2.0	1.72	41	1900	200	180	270	500	
120	8.8	2.2	38	1550	0.40	0.8	1.72	40.5	1800	2.0	1.72	42.5	2050	230	200	310	500	
150	8.8	2.2	39	1700	0.40	0.8	1.72	41	1950	2.0	1.72	44	2200	260	225	350	500	
185	8.8	2.4	42	1900	0.50	0.8	1.72	43.5	2200	2.0	1.88	46	2500	290	255	400	500	
240	8.8	2.4	44	2200	0.50	0.8	1.88	46	2500	2.0	1.88	48.5	2760	335	290	470	500	
300	8.8	2.6	47	2500	0.50	0.8	1.88	48	2750	2.0	2.04	51	3100	380	325	540	500	
400	8.8	2.6	50	2900	0.50	0.8	2.04	51.5	3250	2.0	2.04	54	3550	430	370	630	500	
500	8.8	2.8	52.5	3400	0.60	0.8	2.04	55	3700	2.5	2.2	59	4250	485	420	730	500	
630	8.8	2.8	56	3900	0.60	0.8	2.2	59	4300	2.5	2.36	62	4900	550	470	840	500	
800	8.8	3.0	60.5	4600	0.60	0.8	2.36	63	5050	2.5	2.36	65.5	5600	610	520	950	500	
1000	8.8	3.2	65	5450	0.70	0.8	2.36	67.5	5900	2.5	2.52	71	6550	660	560	1060	500	

## 8. Single Core Copper Conductor Cable 19/33KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	UNARMoured CABLE				Minimum Thickness of Inner Sheath	ALUMINIUM STRIP ARMoured CABLE				ALUMINIUM ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.		
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.	
95	8.8	2.2	37.5	2000	0.40	0.8	1.56	39.0	2200	2.0	1.72	41.5	2550	265	230	345	500	
120	8.8	2.2	39.0	2300	0.40	0.8	1.72	41.0	2550	2.0	1.72	43.0	2800	300	260	400	500	
150	8.8	2.2	40.0	2600	0.40	0.8	1.72	42.0	2850	2.0	1.72	44.5	3100	330	290	450	500	
185	8.8	2.4	43.0	3050	0.50	0.8	1.72	44.5	3300	2.0	1.88	47.0	3650	375	325	510	500	
240	8.8	2.4	45.0	3650	0.50	0.8	1.88	47.0	4000	2.0	1.88	49.5	4250	430	370	600	500	
300	8.8	2.6	48.0	4350	0.50	0.8	1.88	49.0	4600	2.0	2.04	52.0	4950	480	415	690	500	
400	8.8	2.6	51.0	5350	0.50	0.8	2.04	52.5	5700	2.0	2.04	55.0	6050	540	465	790	500	
500	8.8	2.8	54.0	6450	0.60	0.8	2.04	56.0	6800	2.5	2.2	60.0	7350	600	520	910	500	
630	8.8	2.8	57.5	7000	0.60	0.8	2.2	60.0	8200	2.5	2.36	63.0	8800	660	570	1020	500	
800	8.8	3.0	62.0	9550	0.60	0.8	2.36	64.0	10000	2.5	2.36	67.0	10600	720	620	1140	500	
1000	8.8	3.2	67.0	11600	0.70	0.8	2.36	69.0	12100	2.5	2.52	72.5	12750	760	660	1240	500	



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## 9. Single Core Aluminum Conductor Cable 21/35KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	UNARMoured CABLE				Minimum Thickness of Inner Sheath	ALUMINIUM STRIP ARMoured CABLE				ALUMINIUM ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diaeter of Cable	Approx. Weight of Cable	Kg/Km		Nominal Dimesion of Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimesion of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Kg/Km	In Ground at 30° C.	In Duct at 30° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.	
120	9.5	2.2	40	1700	0.40	0.8	1.72	42	2000	2.0	1.72	45.5	2250	230	200	310	500	
150	9.5	2.4	41.5	1900	0.40	0.8	1.72	43.5	2150	2.0	1.88	47.5	2500	260	225	350	500	
185	9.5	2.4	43.5	2100	0.50	0.8	1.72	45	2400	2.0	1.88	49.5	2700	290	255	400	500	
240	9.5	2.4	46	2350	0.50	0.8	1.88	48	2700	2.5	2.04	53.0	3200	335	290	470	500	
300	9.5	2.6	48.5	2650	0.50	0.8	1.88	50	3000	2.5	2.04	55.0	3500	380	325	540	500	
400	9.5	2.6	51	3100	0.50	0.8	2.04	53.5	3450	2.5	2.2	58.5	4000	430	370	630	500	
500	9.5	2.8	54.5	3600	0.60	0.8	2.04	56.5	3950	2.5	2.2	62.0	4550	485	420	730	500	
630	9.5	3.0	58	4200	0.60	0.8	2.2	60	4550	2.5	2.36	65.5	5200	550	470	840	500	
800	9.5	3.0	62	4850	0.60	0.8	2.36	64	5300	3.15	2.52	71.0	6200	610	520	950	500	
1000	9.5	3.2	67	5700	0.70	0.8	2.52	69	6250	3.15	2.68	76.0	7250	660	560	1060	500	

## 10. Single Core Copper Conductor Cable 21/35KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	UNARMoured CABLE				Minimum Thickness of Inner Sheath	ALUMINIUM STRIP ARMoured CABLE				ALUMINIUM ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diaeter of Cable	Approx. Weight of Cable	Kg/Km		Nominal Dimesion of Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimesion of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Kg/Km	In Ground at 30° C.	In Duct at 30° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.	
120	9.5	2.2	41.5	2450	0.40	0.8	1.72	43.0	2750	2.0	1.72	45.5	3000	300	260	400	500	
150	9.5	2.4	43.0	2850	0.40	0.8	1.72	44.5	3050	2.0	1.88	47.5	3400	330	290	450	500	
185	9.5	2.4	45.0	3250	0.50	0.8	1.72	46.5	3500	2.0	1.88	49.5	3850	375	325	510	500	
240	9.5	2.4	47.5	3850	0.50	0.8	1.88	49.5	4200	2.5	2.04	53.0	4650	430	370	600	500	
300	9.5	2.6	50.0	4550	0.50	0.8	1.88	51.5	4850	2.5	2.04	55.0	5350	480	415	690	500	
400	9.5	2.6	53.0	5600	0.50	0.8	2.04	55.0	5950	2.5	2.2	58.5	6500	540	465	790	250	
500	9.5	2.8	56.5	6700	0.60	0.8	2.04	58.0	7050	2.5	2.2	62.0	7650	600	520	910	250	
630	9.5	3.0	60.0	8100	0.60	0.8	2.2	61.5	8450	2.5	2.36	65.5	9100	660	570	1020	250	
800	9.5	3.0	64.0	9800	0.60	0.8	2.36	66.0	10250	3.15	2.52	71.0	11200	720	620	1140	250	
1000	9.5	3.2	69.0	11900	0.70	0.8	2.52	71.0	12450	3.15	2.68	76.0	13450	760	660	1240	200	



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## 11. Three Core Aluminum Conductor Cable 1.9/3.3KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	UNARMoured CABLE			FORMED WIRE / STRIP ARMoured CABLE				ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
			Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Flat Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.
35	2.2	0.4	2.2	36.5	1500	0.8	1.56	37.0	1950	2.0	1.72	39.5	2600	115	97	125	500
50	2.2	0.4	2.2	38.5	1700	0.8	1.72	39.5	2200	2.0	1.72	41.5	2900	130	115	150	500
70	2.2	0.5	2.4	43	2150	0.8	1.72	43	2650	2.0	1.88	46	3450	160	140	190	500
95	2.2	0.5	2.6	46	2600	0.8	1.88	46.5	3150	2.5	2.04	50.5	4400	190	165	230	500
120	2.2	0.5	2.6	48.5	3000	0.8	2.04	50.5	3650	2.5	2.04	53.5	5000	220	190	260	500
150	2.2	0.6	2.8	53	3500	0.8	2.04	53	4100	2.5	2.2	56.5	5550	245	210	295	500
185	2.2	0.6	3.0	57.5	4150	0.8	2.2	57.5	4800	2.5	2.36	61	6350	275	240	335	500
240	2.2	0.7	3.0	62.5	4900	0.8	2.36	63	5750	2.5	2.36	66	7350	315	275	395	500
300	2.2	0.7	3.2	67	5850	0.8	2.52	68	6650	3.15	2.68	72	9250	355	310	450	500
400	2.2	0.7	3.6	75	7300	0.8	2.68	74.5	8100	3.15	2.84	79	11000	400	350	520	500

## 12. Three Core Copper Conductor Cable 1.9/3.3KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	UNARMoured CABLE			FORMED WIRE / STRIP ARMoured CABLE				ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
			Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Flat Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.
35	2.2	0.4	2.2	38.0	2150	0.8	1.56	37.0	2600	2.0	1.72	40.5	3250	145	125	165	500
50	2.2	0.4	2.2	40.0	2650	0.8	1.72	39.5	3150	2.0	1.72	42.5	3800	170	150	195	500
70	2.2	0.5	2.4	44.5	3450	0.8	1.72	44.0	3950	2.0	1.88	47.0	4750	210	180	240	500
95	2.2	0.5	2.6	48.5	4350	0.8	1.88	47.5	4950	2.5	2.04	51.5	6150	250	215	295	500
120	2.2	0.5	2.6	52.0	5250	0.8	2.04	51.5	5900	2.5	2.04	55.5	7200	280	240	335	500
150	2.2	0.6	2.8	55.5	6300	0.8	2.04	54.5	6900	2.5	2.2	58.5	8350	310	270	380	500
185	2.2	0.6	3.0	60.0	7600	0.8	2.2	59.0	8250	2.5	2.36	63.0	9800	350	305	430	500
240	2.2	0.7	3.0	65.0	9350	0.8	2.36	64.5	10250	2.5	2.36	68.0	11800	400	350	500	500
300	2.2	0.7	3.2	70.0	11400	0.8	2.52	70.0	12250	3.15	2.68	75.0	14850	445	390	510	500
400	2.2	0.7	3.6	78.0	14750	0.8	2.68	76.5	15550	3.15	2.84	82.0	18450	500	440	650	250



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### 13. Three Core Aluminum Conductor Cable 3.8/6.6KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	UNARMoured CABLE			FORMED WIRE / STRIP ARMoured CABLE				ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
			Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Flat Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.
35	2.8	0.4	2.2	38.5	1600	0.8	1.72	40.0	2200	2.0	1.72	42	2800	115	97	125	500
50	2.8	0.5	2.4	41.5	1950	0.8	1.72	42.5	2500	2.0	1.88	44.5	3200	130	115	150	500
70	2.8	0.5	2.6	45.5	2350	0.8	1.88	46	3000	2.0	1.88	48	3700	160	140	190	500
95	2.8	0.5	2.6	49	2800	0.8	1.88	49.5	3400	2.5	2.04	52.5	4700	190	165	230	500
120	2.8	0.6	2.8	53	3300	0.8	2.04	54	4000	2.5	2.20	57	5400	220	190	260	500
150	2.8	0.6	2.8	56	3800	0.8	2.2	56.5	4500	2.5	2.2	59.5	5900	245	210	295	500
185	2.8	0.6	3.0	61	4400	0.8	2.2	60.5	5150	2.5	2.36	63.5	6700	275	240	335	500
240	2.8	0.7	3.2	65	5300	0.8	2.36	68	6100	3.15	2.52	70.5	8600	315	275	395	500
300	3.0	0.7	3.4	71	6300	0.8	2.52	71.5	7160	3.15	2.68	76	9900	355	310	450	500
400	3.3	0.7	3.8	80	8000	0.8	2.84	80	9000	4.0	3.0	86.5	13200	400	350	520	500

### 14. Three Core Copper Conductor Cable 3.8/6.6KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	UNARMoured CABLE			FORMED WIRE / STRIP ARMoured CABLE				ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
			Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Flat Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.
35	2.8	0.4	2.2	40.0	2250	0.8	1.72	40.0	2850	2.0	1.72	43.0	3450	145	125	165	500
50	2.8	0.5	2.4	43.0	2850	0.8	1.72	42.5	3400	2.0	1.88	45.5	4150	170	150	195	500
70	2.8	0.5	2.6	47.0	3650	0.8	1.88	47.0	4250	2.0	1.88	49.5	5000	210	180	240	500
95	2.8	0.5	2.6	51.0	4550	0.8	1.88	50.5	5200	2.5	2.04	54.0	6500	250	215	295	500
120	2.8	0.6	2.8	55.0	5500	0.8	2.04	55.0	6200	2.5	2.20	58.5	7600	280	240	335	500
150	2.8	0.6	2.8	58.0	6550	0.8	2.2	58.0	7250	2.5	2.2	61.0	8700	310	270	380	500
185	2.8	0.6	3.0	63.0	7850	0.8	2.2	62.0	8600	2.5	2.36	66.0	10150	350	305	430	500
240	2.8	0.7	3.2	68.0	9800	0.8	2.36	67.5	10550	3.15	2.52	73.0	13050	400	350	500	500
300	3.0	0.7	3.4	74.0	11900	0.8	2.52	73.5	12750	3.15	2.68	78.5	15450	445	390	570	250
400	3.3	0.7	3.8	83.0	15400	0.8	2.84	82.0	16400	4.0	3.0	89.0	20650	500	440	650	200



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### 15. Three Core Aluminum Conductor Cable 6.35/11KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	UNARMoured CABLE			FORMED WIRE / STRIP ARMoured CABLE				ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
			Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Flat Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.
35	3.6	0.5	2.4	43.5	1950	0.8	1.72	44.0	2500	2.0	1.88	45.5	3250	115	97	125	500
50	3.6	0.5	2.6	46.5	2250	0.8	1.88	46.5	2850	2.5	2.04	49.5	4000	130	115	150	500
70	3.6	0.5	2.6	50.5	2650	0.8	1.88	50.5	3300	2.5	2.04	53.5	4600	160	140	190	500
95	3.6	0.6	2.8	54.5	3150	0.8	2.04	54.5	3850	2.5	2.20	58.0	5250	190	165	230	500
120	3.6	0.6	2.8	58.0	3600	0.8	2.2	58.5	4400	2.5	2.20	61.5	5850	220	190	260	500
150	3.6	0.6	3.0	61.0	4100	0.8	2.2	61.0	4900	2.5	2.36	64.5	6450	245	210	295	500
185	3.6	0.7	3.2	66.0	4850	0.8	2.36	66.0	5650	3.15	2.52	71.0	8100	275	240	335	500
240	3.6	0.7	3.4	71.5	5700	0.8	2.52	71.5	6600	3.15	2.68	76.0	9250	315	275	395	500
300	3.6	0.7	3.6	76.5	6650	0.8	2.68	76.5	7600	3.15	2.84	81.0	10400	355	310	450	250
400	3.6	0.7	3.8	83.5	8100	0.8	2.84	83.5	9100	4.0	3.0	90.0	13450	400	350	520	250

### 15. Three Core Copper Conductor Cable 6.35/11KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	UNARMoured CABLE			FORMED WIRE / STRIP ARMoured CABLE				ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
			Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Flat Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.
35	3.6	0.5	2.4	43.5	2600	0.8	1.72	44.0	3150	2.0	1.88	45.5	3900	145	125	165	500
50	3.6	0.5	2.6	46.5	3150	0.8	1.88	46.5	3750	2.5	2.04	49.5	4950	170	150	195	500
70	3.6	0.5	2.6	50.5	3950	0.8	1.88	50.5	4600	2.5	2.04	53.5	5900	210	180	240	500
95	3.6	0.6	2.8	54.5	4950	0.8	2.04	54.5	5600	2.5	2.20	58.0	7000	250	215	295	500
120	3.6	0.6	2.8	58.0	5850	0.8	2.2	58.5	6650	2.5	2.20	61.5	8100	280	240	335	500
150	3.6	0.6	3.0	61.0	6900	0.8	2.2	61.0	7650	2.5	2.36	64.5	9250	310	270	380	500
185	3.6	0.7	3.2	66.0	8300	0.8	2.36	66.0	9100	3.15	2.52	71.0	11550	350	305	430	500
240	3.6	0.7	3.4	71.5	10200	0.8	2.52	71.5	11050	3.15	2.68	76.0	13700	400	350	500	250
300	3.6	0.7	3.6	76.5	12200	0.8	2.68	76.5	13150	3.15	2.84	81.0	15950	445	390	570	250
400	3.6	0.7	3.8	83.5	15550	0.8	2.84	83.5	16550	4.0	3.0	90.0	20900	500	440	650	250





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### 17. Three Core Aluminum Conductor Cable 12/20KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	UNARMoured CABLE			FORMED WIRE / STRIP ARMoured CABLE				ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
			Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx Weight of Cable	Nominal Dimension of GI Flat Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.
70	5.5	0.6	3.0	59.5	3550	0.8	2.2	59.5	4300	2.5	2.36	63.0	5900	160	140	190	500
95	5.5	0.6	3.2	63.5	4100	0.8	2.36	63.5	4900	3.15	2.52	68.5	7250	190	165	230	500
120	5.5	0.7	3.2	67.5	4650	0.8	2.36	67.5	5500	3.15	2.52	72.0	8000	220	190	260	500
150	5.5	0.7	3.4	70.5	5200	0.8	2.52	70.5	6100	3.15	2.68	75.0	8650	245	210	295	500
185	5.5	0.7	3.4	74.5	5900	0.8	2.68	74.5	6950	3.15	2.84	80.0	9650	275	240	335	500
240	5.5	0.7	3.6	80.0	6850	0.8	2.84	80.0	7900	3.15	3.0	85.0	10850	315	275	395	250
300	5.5	0.7	3.8	85.0	7850	0.8	3.0	85.5	8950	4.0	3.0	91.0	13250	355	310	450	250
400	5.5	0.7	4.0	92.0	9400	0.8	3.0	92.0	10500	4.0	3.0	98.0	15200	400	350	520	250

### 18. Three Core Copper Conductor Cable 12/20KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	UNARMoured CABLE			FORMED WIRE / STRIP ARMoured CABLE				ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
			Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx Weight of Cable	Nominal Dimension of GI Flat Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.
70	5.5	0.6	3.0	59.5	4900	0.8	2.2	59.5	5600	2.5	2.36	63.0	7150	210	180	240	500
95	5.5	0.6	3.2	63.5	5900	0.8	2.36	63.5	6700	3.15	2.52	68.5	9000	250	215	295	500
120	5.5	0.7	3.2	67.5	6900	0.8	2.36	67.5	7750	3.15	2.52	72.0	10250	280	240	335	500
150	5.5	0.7	3.4	70.5	8000	0.8	2.52	70.5	8900	3.15	2.68	75.0	11450	310	270	380	500
185	5.5	0.7	3.4	74.5	9300	0.8	2.68	74.5	10300	3.15	2.84	80.0	13100	350	305	430	250
240	5.5	0.7	3.6	80.0	11300	0.8	2.84	80.0	12350	3.15	3.0	85.0	15350	400	350	500	250
300	5.5	0.7	3.8	85.0	13400	0.8	3.0	85.5	14500	4.0	3.0	91.0	18850	445	390	570	250
400	5.5	0.7	4.0	92.0	16850	0.8	3.0	92.0	17950	4.0	3.0	98.0	22650	500	440	650	250



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### 19.Three Core Aluminum Conductor Cable 19/33KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	UNARMoured CABLE			FORMED WIRE / STRIP ARMoured CABLE				ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
			Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable.	Approx Weight of Cable	Nominal Dimension of GI Flat Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable.	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.
95	8.8	0.7	3.6	79.0	6050	0.8	2.84	79.0	7100	3.15	3.0	84.0	10050	190	170	230	500
120	8.8	0.7	3.8	83.0	6750	0.8	2.84	83.0	7750	4.0	3.0	89.5	12100	215	190	265	500
150	8.8	0.7	4.0	86.5	7400	0.8	3.0	86.5	8400	4.0	3.0	92.0	12800	240	215	300	250
185	8.8	0.7	4.0	90.5	8150	0.8	3.0	90.0	9250	4.0	3.0	96.5	13900	270	240	340	250
240	8.8	0.7	4.0	95.5	9150	0.8	3.0	95.5	10300	4.0	3.0	101.0	15150	310	275	400	250
300	8.8	0.7	4.0	100.0	10200	0.8	3.0	100.0	11350	4.0	3.0	105.5	16450	350	310	455	250
400	8.8	0.7	4.0	106.5	11800	0.8	3.0	106.5	13100	4.0	3.0	112.5	18550	395	355	530	250

### 20.Three Core Copper Conductor Cable 19/33KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	UNARMoured CABLE			FORMED WIRE / STRIP ARMoured CABLE				ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
			Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable.	Approx Weight of Cable	Nominal Dimension of GI Flat Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable.	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.
95	8.8	0.7	3.6	79.0	7850	0.8	2.84	79.0	8900	3.15	3.0	84.0	11800	245	215	300	250
120	8.8	0.7	3.8	83.0	9000	0.8	2.84	83.0	10000	4.0	3.0	89.5	14300	275	245	340	250
150	8.8	0.7	4.0	86.5	10150	0.8	3.0	86.5	11200	4.0	3.0	92.0	15600	305	275	385	250
185	8.8	0.7	4.0	90.5	11600	0.8	3.0	90.0	12700	4.0	3.0	96.5	17300	345	305	435	250
240	8.8	0.7	4.0	95.5	13600	0.8	3.0	95.5	14750	4.0	3.0	101.0	19600	395	350	510	250
300	8.8	0.7	4.0	100.0	15750	0.8	3.0	100.5	16950	4.0	3.0	105.5	22000	440	390	580	200
400	8.8	0.7	4.0	106.5	19250	0.8	3.0	106.5	20550	4.0	3.0	112.5	26000	495	440	660	200



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## 21. Three Core Aluminum Conductor Cable 21/35KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	UNARMoured CABLE			FORMED WIRE / STRIP ARMoured CABLE				ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
			Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Flat Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.
120	9.5	0.7	4.0	88.5	7600	0.8	3.0	88.5	8650	4.0	3.0	94.5	12700	215	190	265	500
150	9.5	0.7	4.0	91.0	8150	0.8	3.0	91.0	9250	4.0	3.0	97.0	13450	240	215	300	250
185	9.5	0.7	4.0	95.5	8950	0.8	3.0	95.5	10100	4.0	3.0	101.0	14550	270	240	340	250
240	9.5	0.7	4.0	100.5	10000	0.8	3.0	100.5	11200	4.0	3.0	106.0	15850	310	275	400	250
300	9.5	0.7	4.0	105.0	11050	0.8	3.0	105.0	12300	4.0	3.0	110.5	17300	350	310	455	250
400	9.5	0.7	4.0	111.5	12750	0.8	3.0	111.5	14100	4.0	3.0	117.0	19350	395	355	530	250

## 22. Three Core Copper Conductor Cable 21/35KV

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Minimum Thickness of PVC Inner Sheath	UNARMoured CABLE			FORMED WIRE / STRIP ARMoured CABLE				ROUND WIRE ARMoured CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
			Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Flat Strip	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of GI Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C.	In Duct at 30° C.	In Air at 40° C.	
Sq.mm.	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/Km	mm	mm	mm	Kg/Km	Amps.	Amps.	Amps.	Mtrs.
120	9.5	0.7	4.0	88.5	9800	0.8	3.0	88.5	10850	4.0	3.0	94.5	14950	275	245	340	250
150	9.5	0.7	4.0	91.0	10950	0.8	3.0	91.0	12000	4.0	3.0	97.0	16250	305	275	385	250
185	9.5	0.7	4.0	95.5	12400	0.8	3.0	95.5	13550	4.0	3.0	101.0	18000	345	305	435	250
240	9.5	0.7	4.0	100.5	14450	0.8	3.0	100.5	15650	4.0	3.0	106.0	20300	395	350	510	250
300	9.5	0.7	4.0	105.0	16650	0.8	3.0	105.0	17900	4.0	3.0	110.5	22900	440	390	580	200
400	9.5	0.7	4.0	111.5	20150	0.8	3.0	111.5	21550	4.0	3.0	117.0	26750	495	440	660	200