

# 1 CORE ALUMINIUM PVC ARMoured & UNARMoured POWER CABLES (AYWY/AYFY/AYY)

cores & cross sectional area	No. of Wires	ARMoured						UNARMoured				Max. D.C. Resistance at 20°C	Max. A.C. Resistance at 70°C	ARMoured		UNARMoured						
		Thick-ness of PVC insula-tion (Nom.)	Nomi-nal Dimen-sions of Armou-r Wire	Min. Thick-ness of PVC Outer Sheath	Overall Diam-eter (Ap-prox.)	Approx. Net Wt. of Cable	Thick-ness of PVC insula-tion (Nom)	Nomi-nal Thick-ness of PVC Outer Sheath	Overall Diam-eter (Ap-prox.)	Approx. Net Wt. of Cable	Approx. Reac-tance at 50 Hz			Approx. Capacitance	Ohms/Km	mfd/Km	Ohms/Km	mfd/Km	Ohms/Km	mfd/Km	Ohms/Km	mfd/Km
ICX4	1	1.3	1.4	1.24	10.9	148	1.0	1.8	8.6	89	7.4100	8.8900	0.158	0.47	0.137	0.58	36	31	33	30	32	27
ICX6	1	1.3	1.4	1.24	11.4	165	1.0	1.8	9.1	103	4.6100	5.5300	0.148	0.56	0.127	0.68	44	39	42	37	41	35
ICX10	1	1.3	1.4	1.24	12.3	196	1.0	1.8	10.1	127	3.0800	3.7000	0.138	0.67	0.118	0.83	59	51	56	51	56	47
ICX16	6	1.3	1.4	1.24	13.1	225	1.0	1.8	10.8	152	1.9100	2.2900	0.128	0.81	0.110	1.01	75	66	71	65	72	64
ICX25	6	1.5	1.4	1.24	14.7	287	1.2	1.8	12.4	204	1.2000	1.4400	0.120	0.87	0.105	1.05	97	86	93	84	99	84
ICX35	6	1.5	1.4	1.24	15.7	334	1.2	1.8	13.4	244	0.8680	1.0400	0.114	1.00	0.100	1.22	120	100	110	100	120	105
ICX50	6	1.7	1.4	1.24	17.2	411	1.4	1.8	14.9	310	0.6410	0.7700	0.110	1.03	0.098	1.22	145	120	130	115	150	130
ICX70	12	1.7	1.4	1.40	19.1	513	1.4	1.8	16.5	388	0.4430	0.5300	0.103	1.21	0.091	1.43	175	140	155	135	185	155
ICX95	15	1.9	1.6	1.40	21.6	662	1.6	1.8	18.6	501	0.3200	0.3800	0.101	1.27	0.088	1.47	210	175	192	155	215	190
ICX120	15	1.9	1.6	1.40	23.7	784	1.6	2.0	21.1	621	0.2530	0.3000	0.096	1.42	0.086	1.62	240	195	200	170	240	220
ICX150	15	2.1	1.6	1.40	24.8	898	1.8	2.0	22.2	726	0.2060	0.2500	0.094	1.42	0.085	1.62	270	220	220	190	270	250
ICX185	30	2.3	1.6	1.40	27.1	1069	2.0	2.0	24.5	884	0.1640	0.2000	0.092	1.44	0.084	1.62	305	240	240	210	305	290
ICX240	30	2.5	1.6	1.56	30.2	1337	2.2	2.0	27.3	1106	0.1250	0.1500	0.090	1.53	0.082	1.72	335	270	270	225	350	335
ICX300	30	2.7	1.6	1.56	35	1676	2.4	2.0	29.8	1336	0.1000	0.1200	0.088	1.56	0.080	1.74	370	295	295	245	395	380
ICX400	53	3.0	2.0	1.56	37.1	2032	2.6	2.2	33.6	1690	0.0778	0.0934	0.088	1.56	0.080	1.81	410	325	335	275	455	435
ICX500	53	3.4	2.0	1.72	41.2	2531	3.0	2.2	37.4	2120	0.0605	0.0726	0.087	1.57	0.079	1.76	435	345	355	295	490	480
ICX630	53	3.9	2.0	1.88	46.2	3183	3.4	2.4	42.2	2709	0.0469	0.0567	0.086	1.57	0.077	1.77	485	390	395	320	560	550
ICX800	53	3.9	2.0	1.88	52.0	4120	3.4	2.4	48.0	3430	0.0367	0.0440	0.083	1.75	0.077	1.98	525	442	420	350	640	600
ICX1000	53	3.9	2.5	2.04	57.3	4812	3.4	2.6	52.2	4064	0.0291	0.0349	0.082	1.94	0.076	2.20	570	485	445	380	740	720

# 1 CORE COPPER PVC ARMoured & UNARMoured POWER CABLES (YWY/YFY/YY)

No. of cores & cross sectional area	Min. No. of Wires	ARMoured						UNARMoured			Max. D.C. Resistance at 20°C	Max. A.C. Resistance at 70°C	ARMoured		CURRENT RATINGS					
		Thick-ness of PVC insulation (Nom.)	Nominal Dimen-sions of Armour Wire	Min. Thick-ness of PVC Outer Sheath	Overall Diam-eter (Ap-prox.)	Approx. Net. Wt. of Cable	Thick-ness of PVC insula-tion (Nom)	Nominal Thick-ness of PVC Outer Sheath	Overall Diam-eter (Ap-prox.)	Approx. Net. Wt. of Cable			Approx. Reac-tance at 50 Hz	Approx. Capacitance	Direct in Ground	In Duct	In Air			
ICX4	1.0	1.3	1.4	1.24	10.9	173	1.00	1.80	8.6	114	4.61	5.52	0.158	0.47	46	39	42	38	43	35
ICX6	1.0	1.3	1.4	1.24	11.4	204	1.00	1.80	9.1	142	3.08	3.69	0.148	0.56	57	49	54	48	54	44
ICX10	6.0	1.3	1.4	1.24	12.3	259	1.00	1.80	10.1	190	1.83	2.19	0.138	0.67	75	65	72	64	72	60
ICX16	6.0	1.3	1.4	1.24	13.1	320	1.00	1.80	10.8	248	1.15	1.38	0.128	0.81	94	85	92	83	92	82
ICX25	6.0	1.5	1.4	1.24	14.7	440	1.20	1.80	12.4	358	0.727	0.87	0.120	0.87	125	110	120	110	125	110
ICX35	6.0	1.5	1.4	1.24	15.7	548	1.20	1.80	13.4	458	0.524	0.627	0.114	1.00	150	135	140	125	155	130
ICX50	6.0	1.7	1.4	1.24	17.2	696	1.40	1.80	14.9	595	0.387	0.463	0.110	1.03	180	165	165	150	190	165
ICX70	12.0	1.7	1.4	1.40	19.1	930	1.40	1.80	16.5	805	0.268	0.321	0.103	1.21	220	190	200	175	235	205
ICX95	15.0	1.9	1.6	1.40	21.6	1243	1.60	1.80	18.6	1081	0.193	0.231	0.101	1.27	265	220	230	200	275	245
ICX120	18.0	1.9	1.6	1.40	23.7	1515	1.60	2.00	21.1	1332	0.153	0.184	0.096	1.42	300	250	255	220	310	280
ICX150	18.0	2.1	1.6	1.40	24.8	1802	1.80	2.00	22.2	1630	0.124	0.149	0.094	1.42	340	280	280	245	345	320
ICX185	30.0	2.3	1.6	1.40	27.1	2198	2.00	2.00	24.5	2013	0.0991	0.12	0.092	1.44	380	305	305	260	390	370
ICX240	34.0	2.5	1.6	1.56	30.2	2822	2.20	2.00	27.3	2592	0.0754	0.091	0.090	1.53	420	345	340	285	445	425
ICX300	34.0	2.7	1.6	1.56	35	3542	2.40	2.00	29.8	3202	0.0601	0.074	0.088	1.56	465	375	370	310	500	475
ICX400	53	3.0	2.0	1.56	37.1	4412	2.60	2.20	33.6	4070	0.0470	0.059	0.088	1.56	500	400	405	335	570	550
ICX500	53	3.4	2.0	1.72	41.2	5585	3.00	2.20	37.4	5175	0.0366	0.046	0.087	1.57	540	425	430	355	610	590
ICX630	53	3.9	2.0	1.88	46.2	7138	3.40	2.40	42.2	6664	0.0283	0.037	0.086	1.57	590	470	465	375	680	660
ICX800	53	3.9	2.0	1.88	52.0	9000	3.40	2.40	48.0	8248	0.0221	0.031	0.083	1.75	664	530	523	425	766	743
ICX1000	53	3.9	2.5	2.04	57.3	11167	3.40	2.60	52.2	10419	0.0176	0.027	0.082	1.94	733	585	579	467	856	830

## 2 CORE ALUMINIUM PVC ARMoured & UNARMoured POWER CABLES (AYWY/AYFY/AYY)

No. of core & cross sectional area	Min. No. of Wires	Thick-ness of PVC insula-tion (Nom.) mm	Min Thick-ness of Inner Sheath mm	ARMoured				UNARMoured				Max. D.C. Resis-tance at 20°C Ohms/ Km	Max. A.C. Resis-tance at 70°C Ohms/ Km	Approx React-ance at 50 Hz Ohms/ km	Approx Capac-ity mfd/km	CURRENT RATINGS					
				Nominal Dimen-sions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable						Overall Diam-eter (Ap-prox) mm		Net Wt. of Cable (Ap-prox) Kg/Km	Direct in Ground Amps	In Duct Amps	In Air Amps
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg. Km)	Wire (Kg. Km)					Strip mm	Wire mm				
2Cx1.5	1	0.80	0.30	-	1.40	-	1.24	-	13.5	-	390	-	18.10	21.72	0.126	0.140	18	16	16		
2Cx2.5	1	0.90	0.30	-	1.40	-	1.24	-	15.0	-	450	-	12.10	14.52	0.119	0.150	25	21	21		
2Cx4	1	1.00	0.30	-	1.40	-	1.24	-	16.5	-	550	-	7.41	8.89	0.116	0.160	32	27	27		
2Cx6	1	1.00	0.30	-	1.40	-	1.24	-	17.5	-	640	-	4.61	5.53	0.110	0.190	40	34	35		
2Cx10	1	1.00	0.30	-	1.40	-	1.24	-	19.0	-	745	-	3.08	3.70	0.100	0.220	55	45	47		
2Cx16	6	1.00	0.30	4x0.8	1.60	1.40	1.40	18.8	20.4	18.8	723	528	1.91	2.29	0.097	0.290	70	58	59		
2Cx25	6	1.20	0.30	4x0.8	1.60	1.40	1.40	20.8	22.4	20.8	887	658	1.20	1.44	0.097	0.320	90	76	78		
2Cx35	6	1.20	0.30	4x0.8	1.60	1.40	1.40	21.8	23.4	21.8	976	747	0.868	1.04	0.097	0.370	110	92	99		
2Cx50	6	1.40	0.30	4x0.8	1.60	1.40	1.56	24.3	26.2	24.3	1198	923	0.641	0.77	0.094	0.370	135	115	125		
2Cx70	12	1.40	0.30	4x0.8	1.60	1.56	1.56	26.7	28.3	26.7	1411	1124	0.443	0.53	0.090	0.440	160	140	150		
2Cx95	15	1.60	0.40	4x0.8	2.00	1.56	1.56	30.2	32.6	30.2	1915	1411	0.320	0.38	0.090	0.440	190	170	185		
2Cx120	15	1.60	0.40	4x0.8	2.00	1.56	1.72	31.7	34.4	31.7	2170	1613	0.253	0.30	0.087	0.490	210	190	210		
2Cx150	15	1.80	0.40	4x0.8	2.00	1.72	1.72	35.4	37.8	35.4	2553	1948	0.206	0.25	0.087	0.490	240	210	240		
2Cx185	30	2.00	0.50	4x0.8	2.00	1.88	1.88	39.1	41.5	39.1	3013	2357	0.164	0.20	0.087	0.490	275	240	275		
2Cx240	30	2.20	0.50	4x0.8	2.50	2.04	2.04	42.5	45.9	42.5	3908	2880	0.125	0.15	0.087	0.500	320	275	325		
2Cx300	30	2.40	0.60	4x0.8	2.50	2.20	2.20	48.5	51.9	48.5	4675	3500	0.100	0.12	0.086	0.520	355	305	365		
2Cx400	53	2.60	0.70	4x0.8	3.15	2.36	2.52	55.5	60.5	55.5	6560	4560	0.0778	0.09	0.086	0.530	385	345	420		

# 2 CORE COPPER PVC ARMoured & UNARMoured POWER CABLES (YWY/YFY/Y)

No. of core & cross sectional area	Min. No. of Wires	Thickness of PVC insulation (Nom.) mm	Min Thickness of Inner Sheath mm	ARMoured				UNARMoured				CURRENT RATINGS									
				Nominal dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Nom. Thickness of Outer Sheath mm	Overall Diameter (Approx.) mm	Net Wt. of Cable (Approx) Kg/Km	Max. D.C. Resistance at 20°C Ohms/Km	Max. A.C. Resistance at 70°C Ohms/Km	Approx Reactance at 50 Hz Ohms/km	Approx Capacitance mfd/km			
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg. Km)	Wire (Kg. Km)										
2Cx1.5	1	0.80	0.30	-	1.40	-	1.24	-	13.5	-	407	1.80	10.40	194	12.1	14.5	0.126	0.14	23	20	20
2Cx2.5	1	0.90	0.30	-	1.40	-	1.24	-	15.0	-	482	1.80	11.90	248	7.4	8.87	0.119	0.15	32	27	27
2Cx4	1	1.00	0.30	-	1.40	-	1.24	-	16.5	-	596	1.80	13.40	316	4.6	5.52	0.116	0.16	41	35	35
2Cx6	1	1.00	0.30	-	1.40	-	1.24	-	17.5	-	711	1.80	14.40	397	3.08	3.69	0.110	0.19	50	44	45
2Cx10	6	1.00	0.30	-	1.40	-	1.24	-	19.0	-	863	1.80	15.90	515	1.83	2.19	0.100	0.22	70	58	60
2Cx16	6	1.00	0.30	4x0.8	1.60	1.40	1.40	18.8	20.4	721	917	1.80	18.00	531	1.115	1.38	0.097	0.29	90	75	78
2Cx25	6	1.20	0.30	4x0.8	1.60	1.40	1.40	20.8	22.4	965	1193	2.00	20.40	767	0.722	0.87	0.097	0.32	115	97	105
2Cx35	6	1.20	0.30	4x0.8	1.60	1.40	1.40	21.8	23.4	1176	1405	2.00	21.40	966	0.524	0.627	0.097	0.37	140	120	125
2Cx50	6	1.40	0.30	4x0.8	1.60	1.40	1.56	24.3	26.2	1494	1768	2.00	23.90	1254	0.387	0.463	0.094	0.37	165	145	155
2Cx70	12	1.40	0.30	4x0.8	1.60	1.56	1.56	26.7	28.3	1963	2250	2.00	26.00	1677	0.268	0.321	0.090	0.44	205	180	195
2Cx95	15	1.60	0.40	4x0.8	2.00	1.56	1.56	30.2	32.6	2577	3081	2.20	29.90	2274	0.193	0.231	0.090	0.44	240	215	230
2Cx120	18	1.60	0.40	4x0.8	2.00	1.56	1.72	31.7	34.4	3082	3639	2.20	31.40	2760	0.153	0.184	0.087	0.49	275	235	265
2Cx150	18	1.80	0.40	4x0.8	2.00	1.72	1.72	35.4	37.8	3765	4369	2.40	35.20	3409	0.124	0.149	0.087	0.49	310	270	305
2Cx185	30	2.00	0.50	4x0.8	2.00	1.88	1.88	39.1	41.5	4626	5281	2.40	38.50	4201	0.0991	0.120	0.087	0.49	350	300	350
2Cx240	34	2.20	0.50	4x0.8	2.50	2.04	2.04	42.5	45.9	5865	6893	2.60	42.00	5409	0.0754	0.091	0.087	0.50	405	345	410
2Cx300	34	2.40	0.60	4x0.8	2.50	2.20	2.20	48.5	51.9	7250	8424	2.80	48.10	6732	0.0601	0.073	0.086	0.52	450	385	465
2Cx400	53	2.60	0.70	4x0.8	3.15	2.36	2.52	55.5	60.5	9188	11171	3.20	52.50	8466	0.0470	0.059	0.086	0.53	490	425	530

### 3 CORE ALUMINIUM PVC ARMoured & UNARMoured POWER CABLES (AYWY/AYFY/AYY)

No. of core & cross sectional area	Min. No. of Wires	Thick-ness of PVC insulation (Nom.) mm	Min Thick-ness of Inner Sheath mm	ARMoured				UNARMoured				Approx. Capacitance mfd/km	CURRENT RATINGS							
				Nominal Dimen-sions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable	Nom. Thick-ness of Outer Sheath mm		Overall Diam-eter (Ap-prox) mm	Net Wt. of Cable (Ap-prox) Kg/Km	Max. D.C. Resis-tance at 20°C Ohms/ Km	Max. A.C. Resis-tance at 70°C Ohms/ Km	Approx Reac-tance at 50 Hz Ohms/ km	Direct in Ground Amps	In Duct in Amps	In Air Amps
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm											
3Cx1.5	---	0.8	0.3	-	1.40	-	1.24	-	14.0	-	420	-	190	18.10	21.72	0.126	16	14	13	
3Cx2.5	---	0.9	0.3	-	1.40	-	1.24	-	15.0	-	500	-	230	12.10	14.52	0.119	21	18	18	
3Cx4	---	1.0	0.3	-	1.40	-	1.24	-	16.5	-	595	-	300	7.41	8.89	0.116	28	23	23	
3Cx6	---	1.0	0.3	-	1.40	-	1.24	-	17.5	-	685	-	350	4.61	5.53	0.110	35	30	30	
3Cx10	---	1.0	0.3	-	1.40	-	1.40	-	19.5	-	830	-	435	3.08	3.70	0.100	46	39	40	
3Cx16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	18.6	20.2	569	767	18.4	415	1.91	2.29	0.097	60	50	51	
3Cx25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	21.3	22.9	750	971	21.5	586	1.20	1.44	0.097	76	63	70	
3Cx35	6	1.2	0.3	4x0.8	1.60	1.40	1.40	23.1	24.7	888	1192	23.3	705	0.868	1.04	0.097	92	77	86	
3Cx50	6	1.4	0.3	4x0.8	1.60	1.56	1.56	26.6	28.2	1147	1436	26.5	913	0.641	0.77	0.094	110	95	105	
3Cx70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	29.6	32.0	1426	1914	29.9	1187	0.443	0.53	0.090	135	115	130	
3Cx95	15	1.6	0.4	4x0.8	2.00	1.56	1.72	33.5	36.2	1815	2420	33.8	1538	0.320	0.38	0.090	165	140	155	
3Cx120	15	1.6	0.4	4x0.8	2.00	1.72	1.72	37.0	39.4	2166	2796	37.0	1829	0.253	0.30	0.087	185	155	180	
3Cx150	15	1.8	0.5	4x0.8	2.00	1.88	1.88	40.1	42.4	2584	3249	40.1	2228	0.206	0.25	0.087	210	175	205	
3Cx185	30	2.0	0.5	4x0.8	2.50	1.88	2.04	44.2	47.9	3099	4246	44.6	2743	0.164	0.20	0.087	235	200	240	
3Cx240	30	2.2	0.6	4x0.8	2.50	2.20	2.20	50.3	53.7	3945	5171	50.7	3541	0.125	0.15	0.087	275	235	280	
3Cx300	30	2.4	0.6	4x0.8	2.50	2.36	2.36	55.0	58.4	4731	6085	55.5	4296	0.100	0.12	0.086	305	260	315	
3Cx400	53	2.6	0.7	4x0.8	3.15	2.52	2.68	62.6	67.6	5927	8135	63.8	5537	0.0778	0.09	0.086	335	290	375	

# 3 CORE COPPER PVC ARMoured & UNARMoured POWER CABLES (YWY/YFY/Y)

No. of core & cross-sectional area	Min. No. of Wires	Thickness of PVC insulation (Nom.) mm	Min Thickness of Inner Sheath mm	ARMoured				UNARMoured				Approx. Capacitance mfd/km	CURRENT RATINGS								
				Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable			Overall Diameter (Approx) mm	Net Wt. of Cable (Approx) Kg/km	Max. D.C. Resistance at 20°C Ohms/Km	Max. A.C. Resistance at 70°C Ohms/Km	Approx. Reactance at 50 Hz Ohms/km	Direct in Ground Amps	In Duct in Amps	In Air Amps	
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg. Km)	Wire (Kg. Km)										
3Cx1.5	1	0.80	0.3	-	1.4	-	1.24	-	14.0	-	442	1.80	11.00	218	12.1	14.5	0.126	0.14	21	17	17
3Cx2.5	1	0.90	0.3	-	1.4	-	1.24	-	15.0	-	542	1.80	12.00	284	7.41	8.87	0.119	0.15	27	24	24
3Cx4	1	1.00	0.3	-	1.4	-	1.24	-	16.5	-	663	1.80	13.50	372	4.61	5.52	0.116	0.41	36	30	30
3Cx6	1	1.00	0.3	-	1.4	-	1.24	-	17.5	-	789	1.80	14.50	470	3.08	3.69	0.110	0.47	45	38	39
3Cx10	6	1.00	0.3	-	1.4	-	1.40	-	19.5	-	1017	1.80	15.60	629	1.83	2.19	0.100	0.56	60	50	57
3Cx16	6	1.00	0.3	4x0.8	1.6	1.40	1.40	18.6	20.2	859	1057	1.80	18.40	705	1.15	1.38	0.097	0.76	77	64	66
3Cx25	6	1.20	0.3	4x0.8	1.6	1.40	1.40	21.3	22.9	1210	1431	2.00	21.50	1046	0.727	0.87	0.097	0.86	99	81	90
3Cx35	6	1.20	0.3	4x0.8	1.6	1.40	1.40	23.1	24.7	1532	1773	2.00	23.30	1350	0.524	0.627	0.097	0.98	120	99	110
3Cx50	6	1.40	0.3	4x0.8	1.6	1.56	1.56	26.6	28.2	2016	2305	2.00	26.50	1783	0.387	0.463	0.094	0.02	145	125	135
3Cx70	12	1.40	0.4	4x0.8	2.0	1.56	1.56	29.6	32.0	2684	3173	2.20	29.90	2446	0.268	0.321	0.090	1.18	175	150	165
3Cx95	15	1.60	0.4	4x0.8	2.0	1.56	1.72	33.5	36.2	3564	4169	2.20	33.80	3286	0.193	0.231	0.090	1.20	210	175	200
3Cx120	18	1.60	0.4	4x0.8	2.0	1.72	1.72	37.0	39.4	4371	5001	2.20	37.00	4034	0.153	0.184	0.087	1.31	240	195	230
3Cx150	18	1.80	0.5	4x0.8	2.0	1.88	1.88	40.1	42.4	5309	5974	2.40	40.10	4954	0.124	0.149	0.087	1.31	270	225	265
3Cx185	30	2.00	0.5	4x0.8	2.5	1.88	2.04	44.2	47.9	6502	7648	2.60	44.60	6145	0.0991	0.120	0.087	1.31	300	255	305
3Cx240	34	2.2	0.6	4x0.8	2.5	2.20	2.20	51.3	53.7	8422	9648	2.80	50.70	8018	0.0754	0.0912	0.087	1.34	345	295	355
3Cx300	34	2.4	0.6	4x0.8	2.5	2.36	2.36	55.0	58.4	10356	11710	3.00	55.50	9920	0.0601	0.0739	0.086	1.41	385	335	400
3Cx400	53	2.6	0.7	4x0.8	3.15	2.52	2.68	62.6	67.6	13107	15315	3.40	63.80	12717	0.047	0.0592	0.086	1.45	425	360	455

## 3.5 CORE ALUMINIUM PVC ARMoured POWER CABLES (AYWY/AYFY)

No. of core & cross sectional area	Min. No. of Wires	Thickness of PVC insulation (Nom.) mm	Min. Thickness of Inner Sheath mm	ARMOUR Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Max. D.C. Resistance at 20°C Ohms/Km	Max. A.C. Resistance at 70°C Ohms/Km	Approx. Reactance at 50 Hz Ohms/km	Approx. Capacitance mfd/km	CURRENT RATINGS		
				Strip		Wire		Strip		Wire						Direct in Ground Amps	In Duct in Amps	In Air Amps
				mm	mm	mm	mm	(Kg.Km)	(Kg.Km)	mm	mm							
3.5Cx25/16	6/6	1.2/1.0	0.3	4x0.8	1.60	1.40	1.40	23.8	25.4	882	1128	1.2000	1.44	0.097	0.86	76	63	70
3.5Cx35/16	6/6	1.2/1.0	0.3	4x0.8	1.60	1.40	1.40	24.8	26.4	1000	1263	0.8680	1.04	0.097	0.98	92	77	86
3.5Cx50/25	6/6	1.4/1.2	0.3	4x0.8	1.60	1.56	1.56	28.4	30.0	1289	1583	0.6410	0.77	0.094	1.02	100	95	105
3.5Cx70/35	12/6	1.4/1.2	0.4	4x0.8	2.00	1.56	1.56	32.5	34.9	1640	2184	0.4430	0.53	0.090	1.18	135	115	130
3.5Cx95/50	15/6	1.6/1.4	0.4	4x0.8	2.00	1.56	1.72	36.2	38.9	2075	2716	0.3200	0.38	0.090	1.20	165	140	155
3.5Cx120/70	15/12	1.6/1.4	0.5	4x0.8	2.00	1.72	1.88	39.3	42.1	2502	3203	0.2530	0.30	0.087	1.31	185	155	180
3.5Cx150/70	15/12	1.8/1.4	0.5	4x0.8	2.00	1.88	1.88	44.0	46.4	2950	3680	0.2060	0.25	0.087	1.31	210	175	205
3.5Cx185/95	30/15	2.0/1.6	0.5	4x0.8	2.50	2.04	2.04	49.8	52.2	3610	4813	0.1640	0.20	0.087	1.31	235	200	240
3.5Cx240/120	30/15	2.2/1.6	0.6	4x0.8	2.50	2.20	2.36	55.2	58.9	4526	5715	0.1250	0.15	0.087	1.34	275	235	280
3.5Cx300/150	30/15	2.4/1.8	0.6	4x0.8	3.15	2.36	2.52	59.7	64.7	5400	7531	0.1000	0.12	0.086	1.41	305	260	315
3.5Cx400/185	53/30	2.6/2.0	0.7	4x0.8	3.15	2.68	2.68	68.6	73.3	6827	9211	0.0778	0.09	0.086	1.45	335	290	375

## 3.5 CORE ALUMINIUM PVC UNARMoured POWER CABLES (AYY)

No. of core & cross sectional area	Min. No. of Wires	Thickness of PVC insulation (Nom.) mm	Min. Thickness of PVC Inner Sheath mm	Nom. Thickness of PVC Outer Sheath mm	Overall Diameter (Approx.) mm	Approx. Net Wt. of Cable Kg/Km	Max. D.C. Resistance at 20°C Ohms/Km	Max. A.C. Resistance at 70°C Ohms/Km	Approx. Reactance at 50 Hz Ohms/km	Approx. Capacitance mfd/km	CURRENT RATINGS		
											Direct in Ground Amps	In Duct in Amps	In Air Amps
3.5Cx25/16	6/6	1.2/1.0	0.30	2.00	24.00	692	1.20	1.44	0.097	0.86	76	63	70
3.5Cx35/16	6/6	1.2/1.0	0.30	2.00	25.00	799	0.868	1.04	0.097	0.98	92	77	86
3.5Cx50/25	6/6	1.4/1.2	0.30	2.00	28.30	1034	0.641	0.77	0.094	1.02	110	95	105
3.5Cx70/35	12/6	1.4/1.2	0.40	2.20	32.80	1373	0.443	0.53	0.090	1.18	135	115	130
3.5Cx95/50	15/6	1.6/1.4	0.40	2.20	36.50	1771	0.320	0.38	0.090	1.20	165	140	155
3.5Cx120/70	15/12	1.6/1.4	0.50	2.40	39.70	2180	0.253	0.30	0.087	1.31	185	155	180
3.5Cx150/70	15/12	1.8/1.4	0.50	2.40	44.00	2554	0.206	0.25	0.087	1.31	210	175	205
3.5Cx185/95	30/15	2.0/1.6	0.50	2.60	48.90	3176	0.164	0.20	0.087	1.31	235	200	240
3.5Cx240/120	30/15	2.2/1.6	0.60	3.00	56.00	4128	0.125	0.15	0.087	1.34	275	235	280
3.5Cx300/150	30/15	2.4/1.8	0.60	3.20	60.60	4989	0.100	0.12	0.086	1.41	305	260	315
3.5Cx400/185	53/30	2.6/2.0	0.70	3.40	69.40	6344	0.0778	0.09	0.086	1.45	335	290	375

## 3.5 CORE COPPER PVC ARMoured POWER CABLES (YWY/YFY)

No. of core & cross sectional area	Min. No. of Wires	Thick-ness of PVC insulation (Nom.) mm	Min Thick-ness of PVC Inner Sheath mm	ARMOUR		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Max. D.C. Re-sistance at 20°C Ohms/Km	Max. A.C. Re-sistance at 70°C Ohms/Km	Approx. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mfd/km	CURRENT RATINGS				
				Nominal Dimensions of Armour		Wire		Strip		Wire						Strip		Direct in Ground Amps	In Duct Amps	In Air Amps
				Strip	Wire	Strip	Wire	Strip	Wire	Strip	Wire					Strip	Wire			
3.5Cx25/16	6/6	1.2/1.0	0.3	4x0.8	1.60	1.40	1.40	23.8	25.4	1438	1685	0.727	0.87	0.097	0.86	99	81	90		
3.5Cx35/16	6/6	1.2/1.0	0.3	4x0.8	1.60	1.40	1.40	24.8	26.4	1741	2004	0.524	0.627	0.097	0.98	120	99	110		
3.5Cx50/25	6/6	1.4/1.2	0.3	4x0.8	1.60	1.56	1.56	28.4	30.0	2313	2606	0.387	0.463	0.094	1.02	145	125	135		
3.5Cx70/35	12/6	1.4/1.2	0.4	4x0.8	2.00	1.56	1.56	32.5	34.9	3113	3657	0.268	0.321	0.090	1.18	175	150	165		
3.5Cx95/50	15/6	1.6/1.4	0.4	4x0.8	2.00	1.56	1.72	36.2	38.9	4115	4756	0.193	0.231	0.090	1.20	210	175	200		
3.5Cx120/70	18/12	1.6/1.4	0.5	4x0.8	2.00	1.72	1.88	39.3	42.1	5125	5827	0.153	0.184	0.087	1.31	240	195	230		
3.5Cx150/70	18/12	1.8/1.4	0.5	4x0.8	2.00	1.88	1.88	44.0	46.4	6095	6825	0.124	0.149	0.087	1.31	270	225	265		
3.5Cx185/95	30/15	2.0/1.6	0.5	4x0.8	2.50	2.04	2.04	48.8	52.2	7595	8799	0.0991	0.120	0.087	1.31	300	255	305		
3.5Cx240/120	34/15	2.2/1.6	0.6	4x0.8	2.50	2.20	2.36	55.2	58.9	9738	11128	0.0754	0.0912	0.087	1.34	345	295	355		
3.5Cx300/150	34/15	2.4/1.8	0.6	4x0.8	3.15	2.36	2.52	59.7	64.7	11945	14064	0.0601	0.0739	0.086	1.41	385	335	400		
3.5Cx400/185	53/30	2.6/2.0	0.7	4x0.8	3.15	2.68	2.68	68.6	73.3	15139	17523	0.0470	0.0592	0.086	1.45	425	360	455		

## 3.5 CORE COPPER PVC UNARMoured POWER CABLES (YY)

No. of core & cross sectional area	Min. No. of Wires	Thickness of PVC insulation (Nom.) mm	Min. Thick-ness of PVC Inner Sheath mm	Nom. Thick-ness of PVC Outer Sheath mm	Overall Diameter (Approx.) mm	Approx. Net Wt. of Cable Kg/Km	Max. D.C. Resistance at 20°C Ohms/Km	Max. A.C. Resistance at 70°C Ohms/Km	Approx. Reactance at 50 Hz Ohms/km	Approx. Capacitance mfd/km	CURRENT RATINGS		
											Direct in Ground Amps	In Duct in Amps	In Air Amps
3.5Cx25/16	6/6	1.2/1.0	0.30	2.00	24.00	1248	0.727	0.87	0.097	0.86	99	81	90
3.5Cx35/16	6/6	1.2/1.0	0.30	2.00	25.00	1541	0.524	0.627	0.097	0.98	120	99	110
3.5Cx50/25	6/6	1.4/1.2	0.30	2.00	28.30	2058	0.387	0.463	0.094	1.02	145	125	135
3.5Cx70/35	12/6	1.4/1.2	0.40	2.20	32.80	2845	0.288	0.321	0.090	1.18	175	150	165
3.5Cx95/50	15/6	1.6/1.4	0.40	2.20	36.50	3810	0.193	0.231	0.090	1.20	210	175	200
3.5Cx120/70	18/12	1.6/1.4	0.50	2.40	39.70	4804	0.153	0.184	0.087	1.31	240	195	230
3.5Cx150/70	18/12	1.8/1.4	0.50	2.40	44.00	5699	0.124	0.149	0.087	1.31	270	225	265
3.5Cx185/95	30/15	2.0/1.6	0.50	2.60	48.90	7161	0.099	0.1200	0.087	1.31	300	255	305
3.5Cx240/120	34/15	2.2/1.6	0.60	3.00	56.00	9340	0.075	0.0912	0.087	1.34	345	295	355
3.5Cx300/150	34/15	2.4/1.8	0.60	3.20	60.60	11521	0.060	0.0739	0.086	1.41	385	335	400
3.5Cx400/185	53/30	2.6/2.0	0.70	3.40	69.40	14651	0.0470	0.0592	0.086	1.45	425	360	455



# 4 CORE ALUMINIUM PVC ARMoured & UNARMoured POWER CABLES (AYWY/AYFY/AYY)

No. of core & cross sectional area	Min. No. of Wires	Thick-ness of PVC insulation (Nom.) mm	Min Thick-ness of PVC Inner-Sheath mm	ARMoured						UNARMoured				CURRENT RATINGS							
				Nominal Jimen-sions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Ne. Wt. of Cable		Nom. Thick-ness of Outer Sheath mm	Overall Diann-eter (Ap-prox) mm	Net Wt. of Cable (Ap-prox) kg/Km	Max. D.C. Resis-tance at 20°C Ohms/Km	Max. A.C. Resis-tance at 70°C Ohms/Km	Approx. Reac-tance at 50 Hz Ohms/Km	Approx. Capac-ity mfd/km	Direct in Ground Amps	In Duct in Amps	In Air Amps
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg/Km)	Wire (Kg/Km)										
4Cx1.5	---	0.8	0.3	-	1.40	-	1.24	-	14.5	-	470	-	210	18.10	21.72	0.126	0.140	16	14	13	
4Cx2.5	---	0.9	0.3	-	1.40	-	1.24	-	16.0	-	560	-	270	12.10	14.52	0.119	0.150	21	18	18	
4Cx4	---	1.0	0.3	-	1.40	-	1.24	-	17.5	-	675	-	340	7.41	8.89	0.116	0.410	28	23	23	
4Cx6	---	1.0	0.3	-	1.40	-	1.24	-	19.0	-	800	-	420	4.61	5.53	0.110	0.470	35	30	30	
4Cx10	---	1.0	0.3	4x0.8	1.60	1.40	1.40	21.5	23.0	800	1030	510	510	3.08	3.70	0.100	0.560	46	39	40	
4Cx16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	22.2	23.8	727	966	563	563	1.91	2.29	0.097	0.760	60	50	51	
4Cx25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	23.6	25.2	915	1165	728	728	1.20	1.44	0.097	0.860	76	63	70	
4Cx35	6	1.2	0.3	4x0.8	1.60	1.40	1.56	25.9	27.8	1097	1396	886	886	0.868	1.04	0.097	0.980	92	77	86	
4Cx60	6	1.4	0.4	4x0.8	2.00	1.56	1.56	30.3	32.7	1432	1935	1187	1187	0.641	0.77	0.094	1.020	110	95	105	
4Cx70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	33.4	35.8	1781	2336	1505	1505	0.443	0.53	0.090	1.180	135	115	130	
4Cx95	15	1.6	0.4	4x0.8	2.00	1.72	1.72	38.2	40.6	2311	2948	1997	1997	0.320	0.38	0.090	1.200	165	140	155	
4Cx120	15	1.6	0.5	4x0.8	2.00	1.88	1.88	41.7	44.1	2762	3453	2390	2390	0.253	0.30	0.087	1.310	185	155	180	
4Cx150	15	1.8	0.5	4x0.8	2.50	1.88	2.04	44.7	48.4	3246	4387	2885	2885	0.206	0.25	0.087	1.310	210	175	205	
4Cx185	30	2.0	0.6	4x0.8	2.50	2.04	2.20	50.1	53.8	3982	5245	3615	3615	0.164	0.20	0.087	1.310	235	200	240	
4Cx240	30	2.2	0.6	4x0.8	2.50	2.36	2.36	56.7	60.1	5038	6445	4587	4587	0.125	0.15	0.087	1.340	275	235	280	
4Cx300	30	2.4	0.7	4x0.8	3.15	2.52	2.68	62.9	68.0	6109	8376	5716	5716	0.100	0.12	0.086	1.410	305	360	315	
4Cx400	53	2.6	0.7	4x0.8	3.15	2.84	2.84	70.6	75.3	7640	10124	7157	7157	0.0778	0.09	0.086	1.450	335	290	375	

# 4 CORE COPPER PVC ARMoured & UNARMoured POWER CABLES (YWY/YFY/YY)



No. of core & cross sectional area	Min. No. of Wires	Thickness of PVC insulation (Nom.)	Min Thickness of PVC Inner-Sheath	ARMoured				UNARMoured				CURRENT RATINGS										
				Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Overall Diameter (Approx.)	Net Wt. of Cable (Approx)	Max. D.C. Resistance at 20°C	Max. A.C. Resistance at 70°C	Approx Reactance at 50 Hz	Approx Capacitance	CURRENT RATINGS				
				Strip	Wire	Strip	Wire	Strip	Wire	Strip	Wire							Direct in Ground	In Duct in	In Air		
4Cx1.5	---	0.8	0.3	-	1.40	-	1.24	-	14.5	-	503	-	503	1.80	11.70	256	0.14	0.126	14.5	21	17	17
4Cx2.5	---	0.9	0.3	-	1.40	-	1.24	-	16.0	-	616	-	616	1.80	13.20	335	0.15	0.119	8.87	27	24	24
4Cx4	---	1.0	0.3	-	1.40	-	1.24	-	17.5	-	771	-	771	1.80	15.00	446	0.41	0.116	5.52	36	30	30
4Cx6	---	1.0	0.3	-	1.40	-	1.24	-	19.0	-	947	-	947	1.80	16.00	576	0.47	0.110	3.69	45	39	38
4Cx10	---	1.0	0.3	4x0.8	1.60	1.40	1.40	21.5	23.0	1045	1273	1045	1273	1.80	19.00	773	0.56	0.100	2.19	60	57	50
4Cx16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	22.2	23.8	1113	1352	1113	1352	2.00	22.40	940	0.76	0.097	1.38	77	66	64
4Cx25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	23.6	25.2	1529	1779	1529	1779	2.00	23.80	1342	0.86	0.097	0.87	99	90	81
4Cx35	6	1.2	0.3	4x0.8	1.60	1.40	1.56	25.9	27.8	1955	2254	1955	2254	2.00	26.10	1744	0.98	0.097	0.62	120	110	99
4Cx50	6	1.4	0.4	4x0.8	2.00	1.56	1.56	30.3	32.7	2593	3096	2593	3096	2.20	30.60	2347	1.02	0.094	0.46	145	135	125
4Cx70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	33.4	35.8	3459	4015	3459	4015	2.20	33.70	3183	1.18	0.090	0.32	175	165	150
4Cx95	15	1.6	0.4	4x0.8	2.00	1.72	1.72	38.2	40.6	4643	5280	4643	5280	2.40	38.60	4330	1.20	0.090	0.23	210	200	175
4Cx120	15	1.6	0.5	4x0.8	2.00	1.88	1.88	41.7	44.1	5702	6393	5702	6393	2.40	41.70	5330	1.31	0.087	0.18	240	230	195
4Cx150	15	1.8	0.5	4x0.8	2.50	1.88	2.04	44.7	48.4	6872	8012	6872	8012	2.60	45.10	6511	1.31	0.087	0.14	270	265	225
4Cx185	30	2.0	0.6	4x0.8	2.50	2.04	2.20	50.1	53.8	8519	9782	8519	9782	2.80	50.80	8152	1.31	0.087	0.12	300	305	255
4Cx240	30	2.2	0.6	4x0.8	2.50	2.36	2.36	56.7	60.1	11008	12415	11008	12415	3.00	57.20	10557	1.34	0.087	0.091	345	355	295
4Cx300	30	2.4	0.7	4x0.8	3.15	2.52	2.68	62.9	66.0	13610	15877	13610	15877	3.40	64.10	13218	1.41	0.086	0.073	385	400	335
4Cx400	53	2.6	0.7	4x0.8	3.15	2.84	2.84	70.6	75.3	17213	19697	17213	19697	3.60	71.50	16729	1.45	0.086	0.059	425	455	360

# 1 CORE ALUMINIUM XLPE ARMoured & UNARMoured POWER CABLES (A2XWY/A2XFY/A2XY)

No. of cores & cross sectional area	Min. No. of Wires	ARMoured					UNARMoured					Max. D.C. Resis- tance at 20°C Ohms/Km	Max. A.C. Resis- tance at 90°C Ohms/ Km	ARMoured		UNARMoured		CURRENT RATINGS	
		Thick- ness of XLPE in- sulation (Nom.) (mm)	Nominal Dimen- sions of Armour Wire (mm)	Min. Thick- ness of PVC Outer Sheath (mm)	Overall Diameter (Approx.) (mm)	Approx. Net. Wt. of Cable (Kg/Km)	Thick- ness of XLPE in- sulation (Nom) (mm)	Nominal Dimen- sions of Armour Wire (mm)	Overall Diameter (Approx.) (mm)	Approx. Net. Wt. of Cable (Kg/Km)	Approx. Capacitance at 50 Hz Ohms/ Km			Approx. Capacitance at 50 Hz Ohms/ Km	Approx. Capacitance at 50 Hz Ohms/ Km	Approx. Capacitance at 50 Hz Ohms/ Km	Direct in Ground Amps	In Air Amps	
ICX4	1	-	-	-	-	-	0.7	1.8	7.5	60	7.41	9.48	-	-	0.132	0.29	36	31	
ICX4	6	-	-	-	-	-	0.7	1.8	8.0	65	7.41	9.48	-	-	0.132	0.29	36	31	
ICX6	1	-	-	-	-	-	0.7	1.8	8.0	70	4.61	5.90	-	-	0.123	0.34	44	39	
ICX6	6	-	-	-	-	-	0.7	1.8	8.5	75	4.61	5.90	-	-	0.123	0.34	44	39	
ICX10	1	1.0	-	-	-	-	0.7	1.8	9.0	80	3.08	3.94	0.134	0.32	0.114	0.43	59	53	
ICX10	6	1.0	1.40	1.24	12.0	-	0.7	1.8	9.5	90	3.08	3.94	0.134	0.32	0.114	0.43	59	53	
ICX16	6	1.0	1.40	1.24	13.0	220	0.7	1.8	10.0	115	1.91	2.44	0.125	0.38	0.108	0.51	76	73	
ICX25	6	1.20	1.40	1.24	14.1	253	0.90	1.80	11.8	177	1.200	1.5400	0.116	0.40	0.102	0.52	97	99	
ICX35	6	1.20	1.40	1.24	15.1	297	0.90	1.80	12.8	215	0.868	1.1100	0.110	0.47	0.097	0.60	116	112	
ICX50	6	1.30	1.40	1.24	16.4	358	1.00	1.80	14.1	270	0.641	0.8200	0.103	0.50	0.092	0.63	139	149	
ICX70	12	1.40	1.40	1.24	18.2	448	1.10	1.80	15.9	347	0.443	0.5670	0.099	0.55	0.088	0.68	171	190	
ICX95	15	1.40	1.60	1.40	20.6	588	1.10	1.80	17.6	438	0.320	0.4100	0.097	0.64	0.085	0.79	204	235	
ICX120	15	1.50	1.60	1.40	22.9	701	1.20	1.80	20.3	556	0.253	0.3250	0.093	0.67	0.082	0.79	231	276	
ICX150	15	1.70	1.60	1.40	24.0	806	1.40	2.00	21.4	652	0.206	0.2650	0.091	0.67	0.082	0.79	259	321	
ICX185	30	1.90	1.60	1.40	26.3	966	1.60	2.00	23.7	795	0.164	0.2110	0.090	0.67	0.082	0.79	292	371	
ICX240	30	2.00	1.60	1.40	28.9	1179	1.70	2.00	26.3	991	0.125	0.1620	0.086	0.72	0.079	0.84	342	447	
ICX300	30	2.10	1.60	1.56	31.5	1421	1.80	2.00	28.6	1193	0.100	0.1300	0.085	0.75	0.078	0.86	384	515	
ICX400	53	2.40	2.00	1.56	35.9	1836	2.00	2.20	32.4	1519	0.0778	0.1023	0.085	0.75	0.077	0.88	440	606	
ICX500	53	2.60	2.00	1.56	39.3	2232	2.20	2.20	35.8	1887	0.0605	0.0808	0.083	0.77	0.076	0.90	500	705	
ICX630	53	2.80	2.00	1.72	43.6	2773	2.40	2.20	39.8	2360	0.0469	0.0648	0.082	0.81	0.075	0.94	565	823	
ICX800	53	3.10	2.00	1.88	50.0	3730	2.60	2.40	46.0	3100	0.0362	0.0530	0.081	0.88	0.075	0.97	629	949	
ICX1000	53	3.30	2.50	2.04	55.9	4411	2.80	2.60	51.0	3735	0.0291	0.0444	0.081	0.88	0.068	1.01	704	1076	



# 1 CORE COPPER XLPE ARMoured & UNARMoured POWER CABLES (2XWY/2XFY/2XY)

No. of cores & cross sectional area	Min. No. of Wires	ARMoured				UNARMoured				Max. D.C. Resistance at 20°C Ohms/Km	Max. A.C. Resistance at 90°C Ohms/Km	ARMoured		UNARMoured		CURRENT RATINGS	
		Thick-ness of XLPE insulation (Nom.) (mm)	Nominal Dimen-sions of Armour Wire (mm)	Min. Thick-ness of PVC Outer Sheath (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. of Cable (Kg/Km)	Thick-ness of XLPE insulation (Nom) (mm)	Nominal Dimen-sions of Armour Wire (mm)	Overall Diameter (Approx.) (mm)			Approx. Net Wt. of Cable (kg/Km)	Approx. Reac-tance at 50 Hz Ohms/Km	Approx. Capacitance mfd/Km	Approx. Reac-tance at 50 Hz Ohms/Km	Approx. Capacitance mfd/Km	Direct in Ground Amps
ICX4	1	-	-	-	-	-	0.7	1.8	7.5	91	4.61	5.90	-	0.132	0.29	46	40
ICX4	6	-	-	-	-	-	0.7	1.8	8.0	95	4.61	5.90	-	0.132	0.29	46	40
ICX6	1	-	-	-	-	-	0.7	1.8	8.0	115	3.08	3.94	-	0.123	0.34	57	51
ICX6	6	-	-	-	-	-	0.7	1.8	8.5	125	3.08	3.94	-	0.123	0.34	57	51
ICX10	6	1.0	1.40	1.24	12.0	245	0.7	1.8	9.5	170	1.83	2.34	0.134	0.114	0.43	76	71
ICX16	6	1.0	1.40	1.24	13.0	315	0.7	1.8	10.0	220	1.15	1.47	0.125	0.108	0.51	97	95
ICX25	6	1.20	1.40	1.24	14.1	407	0.90	1.8	11.8	331	0.727	0.930	0.116	0.102	0.52	125	126
ICX35	6	1.20	1.40	1.24	15.1	511	0.90	1.8	12.8	428	0.524	0.671	0.110	0.097	0.60	153	158
ICX50	6	1.30	1.40	1.24	16.4	643	1.00	1.8	14.1	554	0.387	0.495	0.103	0.092	0.63	181	194
ICX70	12	1.40	1.40	1.24	18.2	866	1.10	1.8	15.9	764	0.268	0.343	0.099	0.088	0.68	217	249
ICX95	15	1.40	1.60	1.40	20.6	1168	1.10	1.8	17.6	1018	0.193	0.247	0.097	0.085	0.79	264	307
ICX120	18	1.50	1.60	1.40	22.9	1432	1.20	1.8	20.3	1287	0.153	0.196	0.093	0.082	0.79	296	357
ICX150	18	1.70	1.60	1.40	24.0	1710	1.40	2.0	21.4	1556	0.124	0.159	0.091	0.082	0.79	333	411
ICX185	30	1.90	1.60	1.40	26.3	2095	1.60	2.0	23.7	1924	0.0991	0.127	0.090	0.082	0.79	375	479
ICX240	34	2.00	1.60	1.40	28.9	2664	1.70	2.0	26.3	2476	0.0754	0.0965	0.086	0.079	0.84	434	569
ICX300	34	2.10	1.60	1.56	31.5	3287	1.80	2.0	28.6	3058	0.060	0.0769	0.085	0.078	0.86	490	659
ICX400	53	2.40	2.00	1.56	35.9	4217	2.00	2.2	32.4	3899	0.0470	0.0608	0.085	0.077	0.88	556	769
ICX500	53	2.60	2.00	1.56	39.3	5286	2.20	2.2	35.8	4941	0.0366	0.0468	0.083	0.076	0.90	620	877
ICX630	53	2.80	2.00	1.72	43.6	6728	2.40	2.2	39.8	6315	0.0283	0.0362	0.082	0.075	0.94	695	1013
ICX800	53	3.10	2.00	1.88	50.0	8250	2.60	2.4	46.0	7676	0.0221	0.0283	0.081	0.075	0.97	758	1148
ICX1000	53	3.30	2.50	2.04	55.9	10766	2.80	2.6	51.0	10090	0.0176	0.0225	0.081	0.068	1.01	834	1275

# 2 CORE ALUMINIUM XLPE ARMoured POWER CABLES (A2XWY/A2XFY/A2XY)

No. of core & cross sectional area	Min. No. of Wires	Thickness of XLPE insulation (Nom.) mm	Min Thickness of PVC Inner-Sheath mm	ARMoured						UNARMoured				Max. A.C. Resistance at 90°C Ohms/Km	Approx Reactance at 50 Hz Ohms/km	CURRENT RATINGS				
				Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Ne. Wt. of Cable		Nom. Thickness of Outer Sheath mm	Overall Diameter (Approx) mm			Net Wt. of Cable (Approx) Kg/Km	Max. D.C. Resistance at 20°C Ohms/Km	Approx Capacitance mfd/km	Direct in Ground	In Air
				Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire (Kg. Km)	Strip (Kg. Km)								Amps	Amps
2Cx4	1	0.7	0.3	1.40	-	1.24	-	14.9	-	434	-	1.8	13.2	204	7.410	0.0927	0.22	43	39	
2Cx4	6	0.7	0.3	1.40	-	1.24	-	15.5	-	455	-	1.8	13.8	219	7.410	0.0927	0.22	43	39	
2Cx6	1	0.7	0.3	1.40	-	1.24	-	16.0	-	486	-	1.8	14.2	239	4.610	0.0884	0.25	55	50	
2Cx6	6	0.7	0.3	1.40	-	1.24	-	16.6	-	510	-	1.8	14.8	255	4.610	0.0884	0.25	55	50	
2Cx10	1	0.7	0.3	1.40	-	1.24	-	17.7	-	585	-	1.8	15.8	303	3.080	0.0837	0.31	71	67	
2Cx10	6	0.7	0.3	1.40	-	1.24	-	18.5	-	626	-	1.8	16.8	331	3.080	0.0837	0.31	71	67	
2Cx16	6	0.7	0.3	1.40	-	1.40	-	18.8	-	673	-	1.8	14.0	225	1.910	0.0808	0.36	91	88	
2Cx25	6	0.90	0.3	1.60	4x0.8	1.40	1.40	21.2	19.6	797	582	2.0	19.2	400	1.200	0.080	0.20	120	117	
2Cx35	6	0.90	0.3	1.60	4x0.8	1.40	1.40	22.2	20.6	880	664	2.0	20.2	469	0.868	0.080	0.23	143	145	
2Cx50	6	1.00	0.3	1.60	4x0.8	1.40	1.40	24.3	22.7	1056	808	2.0	22.3	588	0.641	0.078	0.24	167	176	
2Cx70	12	1.10	0.3	1.60	4x0.8	1.56	1.56	27.1	25.5	1287	1013	2.0	24.8	743	0.443	0.077	0.26	204	221	
2Cx95	15	1.10	0.4	2.00	4x0.8	1.56	1.56	30.8	28.4	1738	1255	2.2	28.1	974	0.320	0.074	0.29	245	271	
2Cx120	15	1.20	0.4	2.00	4x0.8	1.56	1.56	32.7	30.3	1967	1464	2.2	30.0	1159	0.253	0.072	0.29	278	316	
2Cx150	15	1.40	0.4	2.00	4x0.8	1.72	1.72	36.2	33.8	2334	1754	2.2	33.2	1386	0.206	0.072	0.29	315	362	
2Cx185	30	1.60	0.5	2.00	4x0.8	1.88	1.72	39.9	37.1	2763	2105	2.4	36.9	1728	0.164	0.072	0.29	356	420	
2Cx240	30	1.70	0.5	2.50	4x0.8	2.04	1.88	43.9	40.2	3568	2556	2.6	40.0	2155	0.125	0.072	0.31	407	497	
2Cx300	30	1.80	0.6	2.50	4x0.8	2.20	2.04	49.5	45.8	4273	3102	2.8	45.7	2649	0.100	0.071	0.33	463	578	
2Cx400	53	2.00	0.6	2.50	4x0.8	2.36	2.36	54.0	50.0	5600	4230	3.0	49.0	3530	0.0778	0.071	0.33	528	678	



## 2 CORE COPPER XLPE ARMoured POWER CABLES (2XWY/2XFY/2XY)

No. of core & cross sectional area	Min. No. of Wires	Thick-ness of XLPE insulation (Nom.) mm	Min Thick-ness of PVC Inner Sheath mm	ARMoured						UNARMoured			Max. D.C. Resis-tance at 20°C Ohms/Km	Max. A.C. Resistance at 90°C Ohms/Km	Approx Reactance at 50 Hz Ohms/km	Approx Capacitance mfd/km	CURRENT RATINGS		
				Nominal Dimen-sions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diam-eter (Approx.)		Approx. Net Wt. of Cable	Nom. Thick-ness of Outer Sheath mm	Overall Diameter (Approx) mm					Net Wt. of Cable (Approx) Kg/Km	Direct in round Amps	In Air Amps
				Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip mm										
2Cx4	1	0.7	0.3	1.40	-	1.24	-	14.9	-	531	-	1.8	13.2	254	5.9000	0.0927	0.22	56	51
2Cx4	6	0.7	0.3	1.40	-	1.24	-	15.5	-	555	-	1.8	13.8	268	5.9000	0.0927	0.22	56	51
2Cx6	1	0.7	0.3	1.40	-	1.24	-	16.0	-	614	-	1.8	14.2	314	3.9400	0.0884	0.25	71	64
2Cx6	6	0.7	0.3	1.40	-	1.24	-	16.6	-	639	-	1.8	14.8	328	3.9400	0.0884	0.25	71	64
2Cx10	6	0.7	0.3	1.40	-	1.24	-	18.5	-	817	-	1.8	16.8	455	2.3400	0.0837	0.31	92	88
2Cx16	6	0.7	0.3	1.40	-	1.40	-	18.8	-	866	-	1.8	14.0	425	1.4700	0.0808	0.36	116	113
2Cx25	6	0.90	0.3	1.60	4x0.8	1.40	1.40	21.2	19.6	1103	889	2.0	19.2	706	0.9300	0.0800	0.20	152	153
2Cx35	6	0.90	0.3	1.60	4x0.8	1.40	1.40	22.2	20.6	1309	1093	2.0	20.2	898	0.6710	0.0800	0.23	180	186
2Cx50	6	1.00	0.3	1.60	4x0.8	1.40	1.40	24.3	22.7	1626	1379	2.0	23.3	1158	0.4950	0.0780	0.24	218	226
2Cx70	12	1.10	0.3	1.60	4x0.8	1.56	1.56	27.1	25.5	2126	1852	2.0	24.8	1582	0.3430	0.0770	0.26	264	284
2Cx95	15	1.10	0.4	2.00	4x0.8	1.56	1.56	30.8	28.4	2904	2422	2.2	28.1	2140	0.2470	0.0740	0.29	314	384
2Cx120	18	1.20	0.4	2.00	4x0.8	1.56	1.56	32.7	30.3	3436	2933	2.2	30.0	2628	0.1960	0.0720	0.29	357	402
2Cx150	18	1.40	0.4	2.00	4x0.8	1.72	1.72	36.2	33.8	4150	3571	2.2	33.2	3202	0.1590	0.0720	0.29	403	461
2Cx185	30	1.60	0.5	2.00	4x0.8	1.88	1.72	39.9	37.1	5032	4373	2.4	36.9	3997	0.1270	0.0720	0.29	453	533
2Cx240	34	1.70	0.5	2.50	4x0.8	2.04	1.88	43.9	40.2	6553	5541	2.6	40.0	5140	0.0965	0.0720	0.31	518	633
2Cx300	34	1.80	0.6	2.50	4x0.8	2.20	2.04	49.5	45.8	8024	6845	2.8	45.7	6400	0.0769	0.0710	0.33	583	732
2Cx400	53	2.00	0.6	2.50	4x0.8	2.36	2.36	54.0	50.0	9688	8437	3.0	49.0	7732	0.0602	0.0700	0.33	658	841

# 3 CORE ALUMINIUM XLPE ARMoured POWER CABLES (A2XWY/A2XFY/A2XY)

No. of core & cross sectional area	Min. No. of Wires	Thick-ness of XLPE insula-tion (Nom.)	Min Thick-ness of PVC Inner Sheath	ARMoured						UNARMoured			Max. A.C. Resistance at 90°C	Approx Reac-tance at 50 Hz	Approx Capac-ity	CURRENT RATINGS						
				Nominal Dimen-sions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Nom. Thick-ness of Outer Sheath				Overall Diam-eter (Ap-prox)	Net Wt. of Cable (Ap-prox)	Max. D.C. Resis-tance at 20°C	Ohms/Km	Ohms/km	Amps	In Air
				Wire	Strip	Wire	Strip	Wire	Strip	Wire	Strip											
3Cx4	1	0.7	0.3	-	1.4	-	1.24	-	15.5	-	487	-	1.8	13.8	224	9.48	0.0927	0.22	34	31		
3Cx4	6	0.7	0.3	-	1.4	-	1.24	-	16.1	-	524	-	1.8	14.5	238	9.48	0.0927	0.22	34	31		
3Cx6	1	0.7	0.3	-	1.4	-	1.24	-	16.6	-	561	-	1.8	14.9	265	5.90	0.0884	0.25	43	40		
3Cx6	6	0.7	0.3	-	1.4	-	1.24	-	17.4	-	587	-	1.8	15.5	265	5.90	0.0884	0.25	43	40		
3Cx10	1	0.7	0.3	-	1.4	-	1.24	-	18.5	-	686	-	1.8	16.6	340	3.94	0.0837	0.31	57	53		
3Cx10	6	0.7	0.3	-	1.4	-	1.24	-	19.4	-	736	-	1.8	17.7	368	3.44	0.0837	0.31	57	53		
3Cx16	6	0.7	0.3	4x0.8	1.6	1.40	1.24	19.7	17.8	822	530	1.8	17.9	361	1.11	0.0808	0.36	73	70			
3Cx25	6	0.9	0.3	4x0.8	1.6	1.40	1.40	21.7	20.1	861	769	2.0	20.3	502	1.11	0.080	0.20	97	95			
3Cx35	6	0.9	0.3	4x0.8	1.6	1.40	1.40	23.8	22.2	1028	918	2.0	22.4	616	1.54	0.080	0.23	116	117			
3Cx50	6	1.0	0.3	4x0.8	1.6	1.56	1.40	26.5	24.6	1252	1111	2.0	25.0	782	1.11	0.078	0.24	134	140			
3Cx70	12	1.1	0.4	4x0.8	2.0	1.56	1.56	31.3	28.9	1790	1472	2.2	29.2	1059	0.82	0.077	0.26	167	176			
3Cx95	15	1.1	0.4	4x0.8	2.0	1.56	1.56	33.5	31.1	2091	1575	2.2	31.4	1322	0.41	0.074	0.29	199	221			
3Cx120	15	1.2	0.4	4x0.8	2.0	1.72	1.56	38.4	35.7	2549	2153	2.2	36.0	1626	0.325	0.072	0.29	227	258			
3Cx150	15	1.4	0.5	4x0.8	2.0	1.88	1.72	42.0	39.2	3020	2317	2.4	39.6	1997	0.265	0.072	0.29	255	294			
3Cx185	30	1.6	0.5	4x0.8	2.5	2.04	1.88	47.0	43.3	3940	2808	2.6	43.7	2461	0.211	0.072	0.29	287	339			
3Cx240	30	1.7	0.6	4x0.8	2.5	2.2	2.04	50.0	46.3	4616	3453	2.8	47.0	3118	0.162	0.072	0.31	333	402			
3Cx300	30	1.8	0.6	4x0.8	2.5	2.36	2.2	55.3	51.6	5495	4169	3.0	52.4	3801	0.130	0.071	0.33	375	461			
3Cx400	53	2.0	0.7	4x0.8	3.15	2.68	2.52	63.5	58.4	8041	5267	3.2	59.2	4853	0.1023	0.07	0.33	426	542			



# 3 CORE COPPER XLPE ARMoured POWER CABLES (2XWY/2XFY/2XY)

No. of core & cross sectional area	Min. No. of Wires	Thick-ness of XLPE insulation (Nom.) mm	Min Thick-ness of PVC Inner Sheath mm	ARMoured						UNARMoured			Max. A.C. Resistance at 90°C Ohms/Km	Approx Reactance at 50 Hz Ohms/km	Approx Capacitance mid/km	CURRENT RATINGS				
				Nominal Dimen-sions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Nom. Thick-ness of Outer Sheath mm				Overall Diameter (Approx) mm	Net Wt. of Cable (Approx) Kg/Km	Max. D.C. Resistance at 20°C Ohms/Km	Direct in Ground Amps	In Air Amps
				Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire (Kg. Km)	Strip (Kg. Km)									
3Cx4	1	0.7	0.3	1.4	-	1.24	-	15.5	-	561	-	1.8	13.8	298	4.6100	0.0927	0.22	44	40	
3Cx4	6	0.7	0.3	1.4	-	1.24	-	16.1	-	598	-	1.8	14.5	313	4.6100	0.0927	0.22	44	40	
3Cx6	1	0.7	0.3	1.4	-	1.24	-	16.6	-	673	-	1.8	14.9	376	3.0800	0.0884	0.25	55	51	
3Cx6	6	0.7	0.3	1.4	-	1.24	-	17.4	-	697	-	1.8	15.5	390	3.0800	0.0884	0.25	55	51	
3Cx10	6	0.7	0.3	1.4	-	1.24	-	19.8	-	922	-	1.8	17.7	554	1.8300	0.0837	0.31	73	70	
3Cx16	6	0.7	0.3	1.60	4x0.8	1.4	1.24	19.7	17.8	1112	885	1.8	17.9	639	1.1500	0.0808	0.36	97	90	
3Cx25	6	0.90	0.3	1.60	4x0.8	1.4	1.4	21.7	20.1	1450	1230	2.0	20.3	962	0.7270	0.08	0.2	125	122	
3Cx35	6	0.90	0.3	1.60	4x0.8	1.4	1.4	23.8	22.2	1803	1563	2.0	22.4	1260	0.5240	0.08	0.23	148	148	
3Cx50	6	1.00	0.3	1.60	4x0.8	1.56	1.4	26.5	24.6	2272	1980	2.0	25.0	1651	0.3870	0.078	0.24	175	181	
3Cx70	12	1.10	0.4	2.00	4x0.8	1.56	1.56	31.3	28.9	3266	2730	2.2	29.2	2317	0.2680	0.077	0.26	213	230	
3Cx95	15	1.10	0.4	2.00	4x0.8	1.56	1.56	33.5	31.4	4092	3521	2.2	31.4	3071	0.1960	0.074	0.29	254	284	
3Cx120	18	1.20	0.4	2.00	4x0.8	1.72	1.56	38.4	35.7	5033	4358	2.2	36.0	3831	0.1530	0.072	0.29	292	330	
3Cx150	18	1.40	0.5	2.00	4x0.8	1.88	1.72	42	39.2	6049	5263	2.4	39.6	4722	0.1240	0.072	0.29	325	375	
3Cx185	30	1.60	0.5	2.50	4x0.8	2.04	1.88	47	43.3	7713	6503	2.6	43.7	5863	0.0991	0.072	0.29	366	434	
3Cx240	34	1.70	0.6	2.50	4x0.8	2.2	2.04	50	46.3	9600	8287	2.8	47.0	7595	0.0754	0.072	0.31	421	515	
3Cx300	34	1.80	0.6	2.50	4x0.8	2.36	2.2	55.3	51.6	11628	10191	3.0	52.4	9426	0.0601	0.071	0.33	472	588	
3Cx400	53	2.00	0.7	3.15	4x0.8	2.68	2.52	63.5	58.4	15220	12950	3.2	59.2	12032	0.0470	0.07	0.33	528	677	



# 3.5 CORE ALUMINIUM XLPE ARMoured POWER CABLES (A2XWY/A2XFY/A2XY)

No. of core & cross sectional area	Min. No. of Wires	Thickness of XLPE insulation (Nom.)	Min Thickness of PVC Inner Sheath	ARMoured						UNARMoured			Max. D.C. Resistance at 20°C	Max. A.C. Resistance at 90°C	Approx Reactance at 50 Hz	Approx Capacitance	CURRENT RATINGS			
				Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Nom. Thickness of Outer Sheath					Overall Diameter (Approx.)	Net Wt. of Cable (Approx.)	Direct in Ground	In Air
				Wire	Strip	Wire	Strip	Wire	Strip	Wire (Kg./Km)	Strip (Kg./Km)									
3.5Cx25/16	6/6	0.9/0.7	0.3	1.60	4x0.8	1.40	1.40	23.8	22.2	999	760	2.0	22.4	587	0.080	0.20	97	95		
3.5Cx35/16	6/6	0.9/0.7	0.3	1.60	4x0.8	1.40	1.40	25.5	23.9	1146	885	2.0	24.1	694	0.080	0.23	116	117		
3.5Cx50/25	6/6	1.0/0.9	0.3	1.60	4x0.8	1.56	1.40	29.0	27.1	1427	1114	2.0	27.3	890	0.078	0.24	134	140		
3.5Cx70/35	12/6	1.1/0.9	0.4	2.00	4x0.8	1.56	1.56	34.0	31.6	2006	1473	2.2	31.9	1215	0.077	0.26	167	176		
3.5Cx95/50	15/6	1.1/1.0	0.4	2.00	4x0.8	1.56	1.56	37.6	35.2	2436	1834	2.2	35.5	1540	0.074	0.29	199	221		
3.5Cx120/70	15/12	1.2/1.1	0.4	2.00	4x0.8	1.72	1.72	40.2	37.8	2863	2220	2.2	37.8	1875	0.072	0.29	227	258		
3.5Cx150/70	15/12	1.4/1.1	0.5	2.00	4x0.8	1.88	1.72	45.2	42.4	3378	2623	2.4	42.8	2271	0.072	0.29	255	294		
3.5Cx185/95	30/15	1.6/1.1	0.5	2.50	4x0.8	2.04	1.88	49.7	46.0	4339	3179	2.6	46.4	2805	0.072	0.29	287	339		
3.5Cx240/120	30/15	1.7/1.2	0.6	2.50	4x0.8	2.20	2.04	55.4	51.7	5298	3981	2.8	52.4	3599	0.072	0.31	333	402		
3.5Cx300/150	30/15	1.8/1.4	0.6	2.50	4x0.8	2.36	2.20	59.3	55.6	6172	4750	3.0	56.4	4348	0.071	0.33	375	461		
3.5Cx400/185	53/30	2.0/1.6	0.7	3.15	4x0.8	2.68	2.52	69.2	64.1	8341	6030	3.4	65.3	5629	0.070	0.33	426	542		

# 3.5 CORE COPPER XLPE ARMoured POWER CABLES (2XWY/2XFY/2XY)

No. of core & cross sectional area	Min. No. of Wires	Thick-ness of XLPE insula-tion (Nom.)	Min Thick-ness of PVC Inner Sheath	ARMoured						UNARMoured			Max. D.C. Resistance at 20°C	Max. A.C. Resis-tance at 90°C	Approx Reac-tance at 50 Hz	Approx Capac-ity	CURRENT RATINGS							
				Nominal Dimen-sions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Nom. Thick-ness of Outer Sheath					Overall Diam-eter (Ap-prox)	Net Wt. of Cable (Ap-prox)	Ohms/Km	Ohms/Km	Ohms/km	mfd/km	Amps	In Air
				Wire	Strip	Wire	Strip	Wire	Strip	Wire	Strip													
				mm	mm	mm	mm	mm	mm	mm	mm	(Kg. Km)					(Kg. Km)	(Kg. Km)	(Kg. Km)	Kg/Km	Ohms/Km	Ohms/Km	Ohms/km	mf/km
3.5Cx25/16	6/6	0.9/0.7	0.3	1.60	4x0.8	1.40	1.40	23.8	22.2	1556	1316	2.0	22.4	1143	0.930	0.080	0.20	125	122					
3.5Cx35/16	6/6	0.9/0.7	0.3	1.60	4x0.8	1.40	1.40	25.5	23.9	1887	1626	2.0	24.1	1436	0.671	0.080	0.23	148	148					
3.5Cx50/25	6/6	1.0/0.9	0.3	1.60	4x0.8	1.56	1.40	29.0	27.1	2627	2137	2.0	27.3	1914	0.495	0.078	0.24	175	181					
3.5Cx70/35	12/6	1.1/0.9	0.4	2.00	4x0.8	1.56	1.56	34.0	31.6	3479	2946	2.2	31.9	2688	0.343	0.077	0.26	213	230					
3.5Cx95/50	15/6	1.1/1.0	0.4	2.00	4x0.8	1.56	1.56	37.6	35.2	4476	3874	2.2	35.5	3579	0.247	0.074	0.29	254	284					
3.5Cx120/70	18/12	1.2/1.1	0.4	2.00	4x0.8	1.72	1.72	40.2	37.8	5487	4844	2.2	37.8	4498	0.196	0.072	0.29	292	330					
3.5Cx150/70	18/12	1.4/1.1	0.5	2.00	4x0.8	1.88	1.72	45.2	42.4	6523	5768	2.4	42.8	5416	0.159	0.072	0.29	325	375					
3.5Cx185/95	30/15	1.6/1.1	0.5	2.50	4x0.8	2.04	1.88	49.7	46.0	8325	7164	2.6	46.4	6791	0.127	0.072	0.29	366	434					
3.5Cx240/120	34/15	1.7/1.2	0.6	2.50	4x0.8	2.20	2.04	55.4	51.7	10510	9193	2.8	52.4	8812	0.0965	0.072	0.31	421	515					
3.5Cx300/150	34/15	1.8/1.4	0.6	2.50	4x0.8	2.36	2.20	59.3	55.6	12705	11282	3.0	56.4	10881	0.0769	0.071	0.33	472	588					
3.5Cx400/185	53/30	2.0/1.6	0.7	3.15	4x0.8	2.68	2.52	69.2	64.1	16653	14342	3.4	65.3	13914	0.0602	0.070	0.33	528	677					

# 4 CORE ALUMINIUM XLPE ARMoured POWER CABLES (A2XWY/A2XFY/A2XY)

No. of core & cross sectional area	Min. No. of Wires	Thick-ness of XLPE insula-tion (Nom.)	Min Thick-ness of PVC Inner Sheath	ARMoured				UNARMoured				Max. D.C. Resistance at 20°C	Max. A.C. Resis-tance at 90°C	Approx Reac-tance at 50 Hz	Approx Capac-ity	CURRENT RATINGS				
				Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable	Nom. Thick-ness of Outer Sheath					Overall Diarn-eter (Ap-prox)	Net Wt. of Cable (Ap-prox)	Direct in Ground	Amps	
				Wire	Strip	Wire	Strip	Wire	Strip											Wire (Kg. Km)
4Cx4	1	0.7	0.3	-	1.40	-	1.24	-	16.5	-	542	-	1.8	14.8	257	0.0927	0.22	34	31	
4Cx4	6	0.7	0.3	-	1.40	-	1.24	-	17.2	-	581	-	1.8	15.5	275	0.0927	0.22	34	31	
4Cx6	1	0.7	0.3	-	1.40	-	1.24	-	17.8	-	625	-	1.8	16.0	308	0.0884	0.25	43	40	
4Cx6	6	0.7	0.3	-	1.40	-	1.24	-	18.5	-	653	-	1.8	16.7	325	0.0884	0.25	43	40	
4Cx10	1	0.7	0.3	-	1.40	-	1.40	-	20.5	-	837	-	1.8	17.9	400	0.0837	0.31	57	53	
4Cx10	6	0.7	0.3	-	1.40	-	1.40	-	21.8	-	899	-	1.8	19.6	449	0.0837	0.31	57	53	
4Cx16	6	0.7	0.3	1.60	4x0.8	1.40	1.40	22.8	21.2	896	686	1.8	21.0	257	1.91	2.45	0.0808	0.36	73	70
4Cx25	6	0.9	0.3	1.60	4x0.8	1.40	1.40	23.8	22.2	1051	829	2.0	22.4	618	1.20	1.54	0.0800	0.20	97	95
4Cx35	6	0.9	0.3	1.60	4x0.8	1.40	1.40	26.0	24.4	1236	992	2.0	24.6	763	0.868	1.11	0.0800	0.23	116	117
4Cx50	6	1.0	0.3	1.60	4x0.8	1.56	1.56	29.5	27.9	1525	1246	2.0	27.8	964	0.641	0.82	0.0780	0.24	134	140
4Cx70	12	1.1	0.4	2.00	4x0.8	1.56	1.56	34.1	31.7	2132	1606	2.2	32.0	1321	0.443	0.567	0.0770	0.26	167	176
4Cx95	15	1.1	0.4	2.00	4x0.8	1.72	1.56	37.9	35.2	2606	1975	2.2	35.5	1881	0.320	0.410	0.0740	0.29	199	221
4Cx120	15	1.2	0.5	2.00	4x0.8	1.88	1.72	41.9	39.1	3102	2422	2.4	39.5	2103	0.253	0.325	0.0720	0.29	227	258
4Cx150	15	1.4	0.5	2.50	4x0.8	2.04	1.88	46.3	42.6	3985	2892	2.6	43.0	2551	0.206	0.265	0.0720	0.29	255	294
4Cx185	30	1.6	0.5	2.50	4x0.8	2.20	2.04	51.5	47.8	4761	3542	2.8	48.3	3164	0.164	0.211	0.0720	0.29	287	339
4Cx240	30	1.7	0.6	2.50	4x0.8	2.36	2.20	57.5	53.8	5624	4453	3.0	54.6	4067	0.125	0.162	0.0720	0.31	333	402
4Cx300	30	1.8	0.7	3.15	4x0.8	2.52	2.36	64.5	59.5	7518	5394	3.2	60.6	5012	0.100	0.130	0.0710	0.33	375	461
4Cx400	53	2.0	0.7	3.15	4x0.8	2.84	2.68	72.1	67.1	9176	6779	3.6	68.3	6373	0.0778	0.1023	0.0700	0.33	426	542

