



3.5 CORE ALUMINIUM XLPE ARMOURED POWER CABLES

No. of cores & cross sectional area	Thickness of Insulation		Min. Thickness of Inner Sheath	Nominal Dimension of Armour		Min. Thickness of Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Max. D.C. Resistance at 20°C	Max. A.C. Resistance at 90°C	Approx. Resistance at 50 Hz	Approx. Capacitance	CURRENT RATINGS	
	(min)	(nom)		Strip (mm)	Wire (mm)	Strip (mm)	Wire (mm)	Strip Armour (mm)	Wire Armour (mm)	Strip Armour (Kg/Km)	Wire Armour (Kg/Km)					Direct in Ground Amps	In Air Amps
3.5CX25	0.9	0.7	0.3	1.60	4X0.8	1.40	1.40	23.8	22.2	999	760	1.2000	1.5400	0.080	0.20	94	96
3.5CX35	0.9	0.7	0.3	1.60	4X0.8	1.40	1.40	25.5	23.9	1146	885	0.8680	1.1100	0.080	0.23	113	117
3.5CX50	1.0	0.9	0.3	1.60	4X0.8	1.56	1.40	29.0	27.1	1427	1114	0.6410	0.8200	0.078	0.24	133	142
3.5CX70	1.1	0.9	0.4	2.00	4X0.8	1.56	1.56	34.0	31.6	2006	1473	0.4430	0.5670	0.077	0.26	164	179
3.5CX95	1.1	1.0	0.4	2.00	4X0.8	1.56	1.56	37.6	35.2	2436	1834	0.3200	0.4100	0.074	0.29	196	221
3.5CX120	1.2	1.1	0.4	2.00	4X0.8	1.72	1.72	40.2	37.8	2863	2220	0.2530	0.3250	0.072	0.29	223	257
3.5CX150	1.4	1.1	0.5	2.00	4X0.8	1.88	1.72	45.2	42.4	3378	2623	0.2060	0.2650	0.072	0.29	249	292
3.5CX185	1.6	1.1	0.5	2.50	4X0.8	2.04	1.88	49.7	46.0	4339	3179	0.1640	0.2110	0.072	0.29	282	337
3.5CX240	1.7	1.2	0.6	2.50	4X0.8	2.20	2.04	55.4	51.7	5298	3981	0.1250	0.1620	0.072	0.31	326	399
3.5CX300	1.8	1.4	0.6	2.50	4X0.8	2.36	2.20	59.3	55.6	6172	4750	0.1000	0.1300	0.071	0.33	367	455
3.5CX400	2.0	1.6	0.7	3.15	4X0.8	2.68	2.52	69.2	64.1	8341	6030	0.0778	0.1023	0.070	0.33	418	530

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3.5 CORE ALUMINIUM XLPE UNARMoured POWER CABLES

No. of cores & cross Sectional area	Thickness of Insulation		Min. Thickness of Inner Sheath	Nom. Thickness of Outer Sheath	Overall Diameter (Approx.)	Net Wt. of Cable (Approx.)	Max. D.C. Resistance at 20°C	Max. A.C. Resistance at 90°C	Approx. Resistance at 50 Hz	Approx. Capacitance	CURRENT RATINGS	
	(nom)	(mm)									Direct in Ground Amps	In Air Amps
3.5CX25	0.90	0.70	0.3	2.00	22.4	587	1.2000	1.5400	0.080	0.20	94	96
3.5CX35	0.90	0.70	0.3	2.00	24.1	694	0.8680	1.1100	0.080	0.23	113	117
3.5CX50	1.00	0.90	0.3	2.00	27.3	890	0.6410	0.8200	0.078	0.24	133	142
3.5CX70	1.10	0.90	0.4	2.20	31.9	1215	0.4430	0.5670	0.077	0.26	164	179
3.5CX95	1.10	1.00	0.4	2.20	35.5	1540	0.3200	0.4100	0.074	0.29	196	221
3.5CX120	1.20	1.10	0.4	2.20	37.8	1875	0.2530	0.3250	0.072	0.29	223	257
3.5CX150	1.40	1.10	0.5	2.40	42.8	2271	0.2060	0.2650	0.072	0.29	249	292
3.5CX185	1.60	1.10	0.5	2.60	46.4	2805	0.1640	0.2110	0.072	0.29	282	337
3.5CX240	1.70	1.20	0.6	2.80	52.4	3599	0.1250	0.1620	0.072	0.31	326	399
3.5CX300	1.80	1.40	0.6	3.00	56.4	4348	0.1000	0.1300	0.071	0.33	367	455
3.5CX400	2.00	1.60	0.7	3.40	65.3	5629	0.0778	0.1023	0.070	0.33	418	530

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