



3 CORE COPPER XLPE ARMOURED POWER CABLES

No. of Cores & Cross sectional area mm ²	Min. No. of wires	Thicknes of XLPE Insulation (Nom) mm	Min. Thickness of PVC inner sheath mm	Nominal Dimensions of Armour		Min.Thickness of PVC Outer Sheath		Overall Diameter (Approx)		Approx. Net Wt. of Cable		Max. DC Resistance at 20°C Ohm/Km	Max. AC Resistance at 90°C Ohm/Km	Approx. Reactanc e at 50 Hz Ohm/Km	Approx. Capacitance mFd/Km	Current Ratings	
				Strip mm	Wire mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire Kg/K m	Strip Kg/K m					Direct in Ground Amps	In Air Amps
3CX25	7	0.90	0.3	4x0.8	1.60	1.40	1.40	21.7	20.1	1322	1114	0.727	0.930	0.080	0.20	119	108
3CX35	7	0.90	0.3	4x0.8	1.60	1.40	1.40	23.8	22.2	1673	1434	0.524	0.671	0.080	0.23	144	132
3CX50	7	1.00	0.3	4x0.8	1.60	1.56	1.40	26.5	24.6	2122	1836	0.387	0.495	0.078	0.24	174	162
3CX70	19	1.10	0.4	4x0.8	2.00	1.56	1.56	31.3	28.9	3048	2548	0.268	0.343	0.077	0.26	210	198
3CX95	19	1.10	0.4	4x0.8	2.00	1.56	1.56	33.5	31.1	3840	3324	0.193	0.247	0.074	0.29	252	240
3C X 120	19	1.20	0.4	4x0.8	2.00	1.72	1.56	38.4	35.7	4753	4130	0.153	0.196	0.072	0.29	288	276
3C X 150	19	1.40	0.5	4x0.8	2.00	1.88	1.72	42.0	39.2	5746	5043	0.124	0.159	0.072	0.29	324	318
3C X 185	37	1.60	0.5	4x0.8	2.50	2.04	1.88	47.0	43.3	7333	6211	0.0991	0.127	0.072	0.29	360	366
3C X 240	37	1.70	0.6	4x0.8	2.50	2.20	2.04	50.0	46.3	9093	7930	0.0754	0.0965	0.072	0.31	414	426
3C X 300	37	1.80	0.6	4x0.8	2.50	2.36	2.20	55.3	51.6	11119	9794	0.0601	0.0769	0.071	0.33	462	480
3C X 400	61	2.00	0.7	4x0.8	3.15	2.68	2.52	63.5	58.4	14533	12447	0.0470	0.0602	0.070	0.33	510	546

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No. of Cores & Cross sectional area	Min. No. of wires	Thicknes of XLPE Insulation (Nom)	Min. Thickness of PVC inner sheath	Nominal Thickness of PVC Outer Sheath	Overall Diameter (Approx)	Approx. Net Wt. of Cable	Max. DC Resistance at 20°C	Max. AC Resistance at 90°C	Approx. Reactance at 50 Hz	Approx. Capacitance	Current Ratings	
											Direct in Ground	In Air
mm ²		mm	mm	mm	mm	Kg/Km	Ohm/Km	Ohm/Km	Ohm/Km	mEd/Km	Amps	Amps
3CX25	7	0.90	0.3	2.00	20.30	962	0.727	0.930	0.080	0.20	119	108
3CX35	7	0.90	0.3	2.00	22.40	1260	0.524	0.671	0.080	0.23	144	132
3CX50	7	1.00	0.3	2.00	25.00	1651	0.387	0.495	0.078	0.24	174	162
3CX70	19	1.10	0.4	2.20	29.20	2317	0.268	0.343	0.077	0.26	210	198
3CX95	19	1.10	0.4	2.20	31.40	3071	0.193	0.247	0.074	0.29	252	240
3C X 120	19	1.20	0.4	2.20	36.00	3831	0.153	0.196	0.072	0.29	288	276
3C X 150	19	1.40	0.5	2.40	39.60	4722	0.124	0.159	0.072	0.29	324	318
3C X 185	37	1.60	0.5	2.60	43.70	5863	0.0991	0.127	0.072	0.29	360	366
3C X 240	37	1.70	0.6	2.80	47.00	7595	0.0754	0.0965	0.072	0.31	414	426
3C X 300	37	1.80	0.6	3.00	52.20	9426	0.0601	0.0769	0.071	0.33	462	480
3C X 400	61	2.00	0.7	3.20	59.20	12032	0.0470	0.0470	0.070	0.33	510	546

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