



2 CORE COPPER XLPE ARMoured POWER CABLES

No. of cores & cross sectional area	Min. No of Wires	Thickness of XLPE Insulation (Nom.)	Min. Thickness of PVC Inner Sheath	Nominal Dimension of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Max. D.C. Resistance at 20	Max. A.C. Resistance at 70	Approx. Resistance at 50 Hz	Approx. Capacitance	CURRENT RATINGS	
mm ²		mm	mm	Strip mm	Wire mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire Kg/Km	Strip Kg/Km	Ohms/Km	Ohms/Km	Ohms/Km	mFd/Km	Direct in Ground Amps	In Air Amps
2CX25	7	0.90	0.3	4x0.8	1.60	1.40	1.40	21.2	19.6	1103	889	0.727	0.930	0.080	0.20	144	131
2CX35	7	0.90	0.3	4x0.8	1.60	1.40	1.40	22.2	20.6	1309	1093	0.524	0.671	0.080	0.23	175	150
2CX50	7	1.00	0.3	4x0.8	1.60	1.40	1.40	24.3	22.7	1626	1379	0.387	0.495	0.078	0.24	206	194
2CX70	19	1.10	0.3	4x0.8	1.60	1.56	1.56	27.1	25.5	2126	1852	0.268	0.343	0.077	0.26	256	244
2CX95	19	1.10	0.4	4x0.8	2.00	1.56	1.56	30.8	28.4	2904	2422	0.193	0.247	0.074	0.29	300	288
2C X 120	19	1.20	0.4	4x0.8	2.00	1.56	1.56	32.7	30.3	3436	2933	0.153	0.196	0.072	0.29	344	331
2C X 150	19	1.40	0.4	4x0.8	2.00	1.72	1.72	36.2	33.8	4150	3571	0.124	0.159	0.072	0.29	388	381
2C X 185	37	1.60	0.5	4x0.8	2.00	1.88	1.72	39.9	37.1	5032	4373	0.0991	0.127	0.072	0.29	438	438
2C X 240	37	1.70	0.5	4x0.8	2.50	2.04	1.88	43.9	40.2	6553	5541	0.0754	0.0965	0.072	0.31	506	512
2C X 300	37	1.80	0.6	4x0.8	2.50	2.20	2.04	49.5	45.8	8024	6854	0.0601	0.0769	0.071	0.33	562	581
2C X 400	61	2.00	0.6	4x0.8	2.50	2.36	2.36	54.0	50.0	9688	8437	0.0470	0.0602	0.070	0.33	612	662

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Factory Office : Kshireshwarnath 4, Mahendranagar, Dhanusha, Nepal

Corporate Office : Dharahara Tower, Taha Gali, Sundhara, Kathmandu, Nepal



2 CORE COPPER XLPE UNARMoured POWER CABLES

No. of cores & cross sectional area	Min. No of Wires	Thickness of XLPE Insulation (Nom.)	Min. Thickness of PVC Inner Sheath	Nom. Thickness of PVC 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	
mm ²		mm	mm	mm	mm	Kg/Km	Ohms/Km	Ohms/Km	Ohms/Km	mFd/Km	Direct in Ground Amps	In Air Amps
2CX25	7	0.90	0.3	2.00	19.2	706	0.727	0.930	0.080	0.20	144	131
2CX35	7	0.90	0.3	2.00	20.2	898	0.524	0.671	0.080	0.23	175	150
2CX50	7	1.00	0.3	2.00	22.3	1158	0.387	0.495	0.078	0.24	206	194
2CX70	19	1.10	0.3	2.00	24.8	1582	0.268	0.343	0.077	0.26	256	244
2CX95	19	1.10	0.4	2.20	28.1	2140	0.193	0.247	0.074	0.29	300	288
2C X 120	19	1.20	0.4	2.20	30.0	2628	0.153	0.196	0.072	0.29	344	331
2C X 150	19	1.40	0.4	2.20	33.2	3202	0.124	0.159	0.072	0.29	388	381
2C X 185	37	1.60	0.5	2.40	36.9	3997	0.0991	0.127	0.072	0.29	438	438
2C X 240	37	1.70	0.5	2.60	40.0	5140	0.0754	0.0965	0.072	0.31	506	512
2C X 300	37	1.80	0.6	2.80	45.7	6400	0.0601	0.0769	0.071	0.33	562	581
2C X 400	61	2.00	0.6	3.00	49.0	7732	0.0470	0.0602	0.070	0.33	612	662

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