

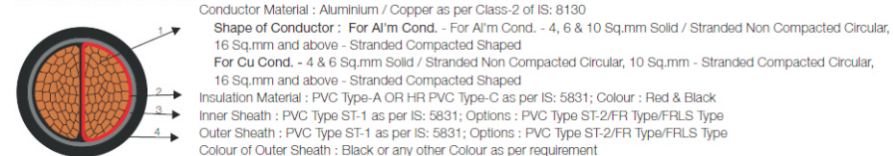
TWO CORE ALUMINIUM PVC ARMoured & UNARMoured POWER CABLES

No of cores & cross sectional area	Min No of Wires	Thickness of pvc insulation (Nom)	Min Thickness of pvc inner sheath	ARMoured								UNARMoured			Max D.C Resistance at 20	Max A.C Resistance at 70	Approx Reactance at 50 Hz	Approx Capacitance	CURRENT RATING		
				Nominal Dimension of Armour		Min. Thickness of pvc outer sheath (approx)		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 Duct	In Air
				Wire	Strip	wire	strip	Wire	Strip	Wire	Strip										
(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(Kg/Km)	(Kg/Km)	(MM)	(MM)	(Kg/Km)	Ohms/Km	Ohms/Km	Ohm/Km	mFd/Km	Amps.	Amps.	Amps.
2 CX1.5	-	0.8	0.3	1.4	-	1.24	-	12.5	-	320	-	1.8	11.0	115	18.100	21.7000	0.1120	0.38	18	16	16
2 CX2.5	-	0.9	0.3	1.4	-	1.24	-	13.5	-	380	-	1.8	12.0	150	12.100	14.5000	0.1100	0.41	25	21	21
2 CX 4	-	1.0	0.3	1.4	-	1.24	-	15.0	-	450	-	1.8	13.5	185	7.410	8.9000	0.1050	0.45	32	27	27
2 CX6	-	1.0	0.3	1.4	-	1.24	-	16.0	-	500	-	1.8	14.5	220	4.610	5.5400	0.0988	0.52	40	34	35
2 CX10	-	1.0	0.3	1.4	-	1.24	-	18.0	-	600	-	1.8	16.0	275	3.080	3.7000	0.0938	0.60	55	45	47
2 CX16	6	1.0	0.3	-	0.8	-	1.40	-	18.0	-	500	1.8	17.5	285	1.910	2.3000	0.0862	0.80	70	58	59
2 CX25	6	1.2	0.3	-	0.8	-	1.40	-	20.0	-	650	2.0	19.5	405	1.200	1.4400	0.0854	0.84	90	76	78
2 CX35	6	1.2	0.3	-	0.8	-	1.40	-	21.5	-	750	2.0	20.5	490	0.868	1.0400	0.0827	0.96	110	92	99
2 CX50	6	1.4	0.3	-	0.8	-	1.40	-	24.5	-	950	2.0	24.0	650	0.641	0.7700	0.0825	0.98	135	115	125
2 CX70	12	1.4	0.3	-	0.8	-	1.56	-	28.0	-	1150	2.0	27.0	800	0.443	0.5330	0.0771	1.12	160	140	150
2 CX95	15	1.6	0.4	-	0.8	-	1.56	-	31.0	-	1460	2.2	28.5	1065	0.320	0.3850	0.0767	1.16	190	170	185
2 CX120	15	1.6	0.4	-	0.8	-	1.56	-	33.0	-	1670	2.2	33.0	1250	0.253	0.3050	0.0744	1.28	210	190	210
2 CX150	15	1.8	0.4	-	0.8	-	1.72	-	37.0	-	2010	2.4	34.0	1550	0.206	0.2490	0.0745	1.26	240	210	240
2 CX185	30	2.0	0.5	-	0.8	-	1.88	-	40.5	-	2450	2.4	37.0	1880	0.164	0.1980	0.0744	1.28	275	240	275
2 CX240	30	2.2	0.5	-	0.8	-	2.04	-	45.0	-	2950	2.6	42.5	2400	0.125	0.1520	0.0740	1.31	320	275	325
2 CX300	30	2.4	0.6	-	0.8	-	2.20	-	50	-	3560	2.8	45.5	2920	0.100	0.1220	0.0732	1.35	355	305	365
2 CX 400	53	2.6	0.7	-	0.8	-	2.36	-	56.0	-	4500	3.2	51.5	3815	0.078	0.0961	0.0727	1.40	385	345	420
2 CX 500	53	3.0	0.7	-	0.8	-	2.68	-	62.5	-	5600	3.4	57.0	4750	0.061	-	-	-	410	370	450

ARMoured CABLES
Cross-sectional view



UNARMoured CABLES
Cross-sectional view



TWO CORE COPPER PVC ARMoured & UNARMoured POWER CABLES

No of cores & cross sectional area	Min No of Wires	Thickness of pvc insulation (Nom)	Min Thickness of pvc inner sheath	ARMoured								UNARMoured			Max D.C Resistance at 20	Max A.C Resistance at 70	Approx Reactance at 50 Hz	Approx Capacitance	CURRENT RATING		
				Nominal Dimension of Armour		Min. Thickness of pvc outer sheath (approx)		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 Duct	In Air
				Wire	Strip	wire	strip	Wire	Strip	Wire	Strip										
(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(Kg/Km)	(Kg/Km)	(MM)	(MM)	(Kg/Km)	Ohms/Km	Ohms/Km	Ohm/Km	mFd/Km	Amps.	Amps.	Amps.
2 CX1.5	-	0.8	0.3	1.4	-	1.24	-	12.5	-	350	-	1.8	11.0	135	12.100	14.5000	0.1140	0.37	23	20	20
2 CX2.5	-	0.9	0.3	1.4	-	1.24	-	13.5	-	415	-	1.8	12.0	185	7.410	8.9000	0.1100	0.40	32	27	27
2 CX 4	-	1.0	0.3	1.4	-	1.24	-	15	-	500	-	1.8	13.5	235	4.610	5.5200	0.1060	0.44	41	35	35
2 CX6	-	1.0	0.3	1.4	-	1.24	-	16.0	-	580	-	1.8	14.5	295	3.080	3.6900	0.1001	0.51	50	44	45
2 CX10	6	1.0	0.3	1.4	-	1.24	-	18.0	-	730	-	1.8	16.0	400	1.830	2.1900	0.0907	0.67	70	58	60
2 CX16	6	1.0	0.3	-	0.8	-	1.40	-	18.0	-	740	1.8	17.5	485	1.150	1.3800	0.0862	0.80	90	75	78
2 CX25	6	1.2	0.3	-	0.8	-	1.40	-	20.0	-	960	2.0	19.5	715	0.727	0.8700	0.0854	0.84	115	97	105
2 CX35	6	1.2	0.3	-	0.8	-	1.40	-	21.5	-	1200	2.0	20.5	925	0.524	0.6300	0.0827	0.96	140	120	125
2 CX50	6	1.4	0.3	-	0.8	-	1.40	-	24.5	-	1580	2.0	24.0	1270	0.387	0.4640	0.0825	0.98	165	145	155
2 CX70	12	1.4	0.3	-	0.8	-	1.56	-	28.0	-	2020	2	27.0	1670	0.268	0.3210	0.0771	1.12	205	180	195
2 CX95	15	1.6	0.4	-	0.8	-	1.56	-	31.0	-	2650	2.2	28.5	2250	0.193	0.2320	0.0767	1.16	240	215	230
2 CX120	18	1.6	0.4	-	0.8	-	1.56	-	33.0	-	3160	2.2	33.0	2750	0.153	0.1840	0.0744	1.28	275	235	265
2 CX150	18	1.8	0.4	-	0.8	-	1.72	-	37.0	-	3870	2.4	34.0	3410	0.124	0.1500	0.0745	1.26	310	270	305
2 CX185	30	2.0	0.5	-	0.8	-	1.88	-	40.5	-	4750	2.4	37.0	4170	0.099	0.1210	0.0744	1.28	350	300	350
2 CX 240	34	2.2	0.5	-	0.8	-	2.04	-	45.0	-	5930	2.6	42.5	5370	0.075	0.0930	0.074	1.31	405	345	410
2 CX300	34	2.4	0.6	-	0.8	-	2.20	-	56.0	-	7300	2.8	45.5	6640	0.060	0.0750	0.0732	1.35	450	385	465
2 CX 400	53	2.6	0.7	-	0.8	-	2.36	-	55.9	-	9450	3.2	51.5	8770	0.047	0.0604	0.0727	1.40	490	425	530