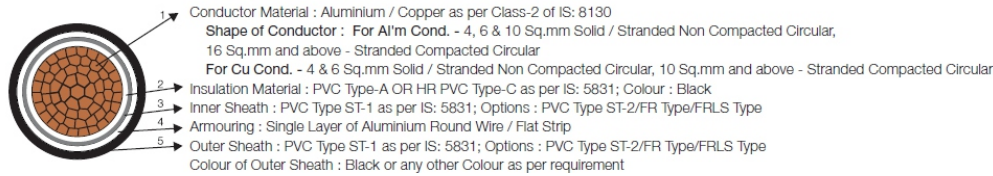


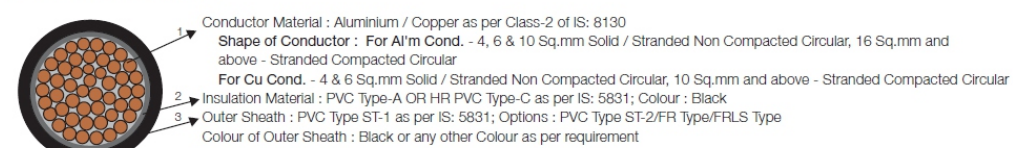
1 CORE ALUMINIUM PVC ARMoured & UNARMoured POWER CABLES

No of cores & cross sectional area	Min No of Wires	ARMoured						UNARMoured				Max D.C Resistance at 20	Max A.C Resistance at 70	ARMoured		UNARMoured		CURRENT RATING					
		Thickness of pvc insulation (Nom)	Nominal Dimensions of armour wire	Aluminium strip Thickness	Min Thickness of pvc outer sheath	overall diameter (approx)	Approx Net Wt. of cable	Thickness of insulation (nom)	Nom Thickness of outer sheath	Overall Diameter (Approx)	Approx Net Wt of cable			Approx Reactance at 50 Hz	Approx capacitance	Approx Reactance at 50 Hz	Approx Capacitance	Direct in Ground		In Duct		In Air	
																		2 Cables	3 Cables	2 Cables	3 Cables	2 Cables	3 Cables
(MM)	(MM)	(MM)	(MM)	(MM)	(KG/KM)	(MM)	(MM)	(MM)	(KG/KM)	Ohm/Km	Ohm/Km	Ohm/Km	mFd/Km	Ohm/Km	mFd/Km	Amps	Amps	Amps	Amps	Amps	Amps		
1 CX4	-	1.3	1.4	-	1.24	11.0	155	1.0	1.8	8.0	75	7.410	8.89	0.157	0.48	0.140	0.58	36	31	33	30	32	27
1 CX6	-	1.3	1.4	-	1.24	12.0	175	1.0	1.8	9.0	90	4.610	5.53	0.148	0.56	0.127	0.68	44	39	42	37	41	35
1 CX10	-	1.3	1.4	-	1.24	13.0	205	1.0	1.8	10.0	105	3.080	2.2	0.138	0.67	0.118	0.83	50	51	56	51	56	47
1 CX16	6	1.3	1.4	-	1.24	14.0	230	1.0	1.8	11.0	140	1.910	2.3000	0.1250	0.81	0.11	1.01	75	66	71	65	72	64
1 CX25	6	1.5	1.4	-	1.24	15.0	300	1.2	1.8	12.5	195	1.200	1.4400	0.1200	0.83	0.105	1.05	97	86	93	84	99	84
1 CX35	6	1.5	1.4	-	1.24	16.0	350	1.2	1.8	13.5	235	0.868	1.0400	0.1140	0.95	0.100	1.22	97	100	110	100	120	105
1 CX50	6	1.7	1.4	-	1.24	18.0	430	1.4	1.8	15.0	305	0.641	0.7700	0.1120	0.95	0.098	1.22	120	120	130	115	150	130
1 CX70	12	1.7	-	4x0.80	1.40	20.0	530	1.4	1.8	17.0	385	0.443	0.5330	0.1040	1.13	0.091	1.43	145	140	155	135	185	155
1 CX95	15	1.9	-	4x0.80	1.40	21.0	610	1.6	1.8	19.0	515	0.320	0.3850	0.0970	1.17	0.088	1.47	170	175	180	155	215	190
1 CX120	15	1.9	-	4x0.80	1.40	22.0	710	1.6	2.0	21.0	610	0.253	0.3050	0.0926	1.32	0.086	1.62	205	195	200	170	240	220
1 CX150	15	2.1	-	4x0.80	1.40	24.0	840	1.8	2.0	22.5	735	0.206	0.2480	0.0916	1.30	0.085	1.62	230	220	220	190	270	250
1 CX185	30	2.3	-	4x0.80	1.40	26.0	1020	2.0	2.0	25.0	885	0.164	0.1980	0.0895	1.35	0.084	1.62	265	240	240	210	305	290
1 CX240	30	2.5	-	4x0.80	1.40	29.0	1250	2.2	2.0	28.0	1100	0.125	0.1520	0.0876	1.40	0.082	1.72	300	270	270	225	350	335
1 CX300	30	2.7	-	4x0.80	1.56	32.0	1500	2.4	2.0	30.0	1335	0.100	0.1220	0.0863	1.44	0.08	1.74	335	295	295	245	395	380
1 CX400	53	3.0	-	4x0.80	1.56	36.0	1910	2.6	2.2	34.0	1665	0.078	0.0961	0.0845	1.48	0.08	1.81	370	325	335	275	455	435
1 CX500	53	3.4	-	4x 0.80	1.56	40.0	2350	3.0	2.2	38.0	2130	0.061	0.0761	0.0835	1.47	0.079	1.86	410	345	335	295	490	480
1 CX630	53	3.9	-	4x0.80	1.72	44.0	2920	3.4	2.4	43.0	2685	0.047	0.0606	0.0833	1.45	0.077	1.87	435	390	395	320	560	550
1 CX800	53	3.9	-	4x0.80	1.88	48.0	3510	3.4	2.4	47.0	3255	0.037	0.0495	0.0816	1.61	0.077	1.98	525	440	420	350	650	640
1 CX1000	53	3.9	-	4x0.80	2.04	53.0	4300	3.4	2.6	51.5	3960	0.029	0.0416	0.0797	1.81	0.076	2.20	570	490	445	380	735	720

ARMoured CABLES Cross-sectional view



UNARMoured CABLES Cross-sectional view



1 CORE COPPER PVC ARMoured & UNARMoured POWER CABLES

No of cores & cross sectional area	Min No of Wires	ARMoured						UNARMoured				Max D.C Resistance at 20	Max A.C Resistance at 70	ARMoured		UNARMoured		CURRENT RATING					
		Thickness of pvc insulation (Nom)	Nominal Dimensions of armour wire	Aluminium strip Thickness	Nom Thickness of pvc outer sheath	overall diameter (approx)	Approx Net Wt. of cable	Thickness of insulation (nom)	Nom Thickness of outer sheath	Overall Diameter (Approx)	Approx Net Wt of cable			Approx Reactance at 50 Hz	Approx capacitance	Approx Reactance at 50 Hz	Approx Capacitance	Direct in Ground		In Duct		In Air	
																		2 Cables	3 Cables	2 Cables	3 Cables	2 Cables	3 Cables
(MM)	(MM)	(MM)	(MM)	(MM)	(KG/KM)	(MM)	(MM)	(MM)	(KG/KM)	Ohm/Km	Ohm/Km	Ohm/Km	mFd/Km	Ohm/Km	mFd/Km	Amps	Amps	Amps	Amps	Amps	Amps		
1 CX4	-	1.3	1.4	-	1.24	11.0	180	1.0	1.8	8.0	100	4.610	5.53	0.157	0.48	0.140	0.58	46	39	42	38	43	35
1 CX6	-	1.3	1.4	-	1.24	12.0	215	1.0	1.8	9.0	130	3.080	3.70	0.148	0.56	0.127	0.68	57	49	54	48	54	44
1 CX10	6	1.3	1.4	-	1.24	13.0	270	1.0	1.8	10.0	170	1.830	2.20	0.138	0.67	0.118	0.83	75	65	72	64	72	60
1 CX16	6	1.3	1.4	-	1.24	14.0	330	1.0	1.8	11.0	240	1.150	1.3800	0.1250	0.81	0.110	1.01	94	85	92	83	92	82
1 CX25	6	1.5	1.4	-	1.24	15.0	460	1.2	1.8	12.5	350	0.727	0.8700	0.1200	0.83	0.105	1.05	125	110	120	110	125	110
1 CX35	6	1.5	1.4	-	1.24	16.0	575	1.2	1.8	13.5	455	0.524	0.6270	0.1440	0.95	0.100	1.22	150	130	140	125	155	130
1 CX50	6	1.7	1.4	-	1.24	18.0	740	1.4	1.8	15.0	620	0.387	0.4630	0.1120	0.95	0.098	1.22	180	155	165	150	190	165
1 CX70	12	1.7	1.4	-	1.40	20.0	970	1.4	1.8	17.0	820	0.268	0.3210	0.1040	1.13	0.091	1.43	220	190	200	175	235	205
1 CX95	15	1.9	-	4 X0.80	1.40	21.0	1200	1.6	1.8	19.0	1105	0.193	0.2320	0.0970	1.17	0.088	1.47	265	220	230	200	275	245
1 CX120	18	1.9	-	4 X0.80	1.40	22.0	1460	1.6	2.0	21.0	1355	0.153	0.1840	0.0926	1.32	0.086	1.62	300	250	255	220	310	280
1 CX150	18	2.1	-	4X0.80	1.40	24.0	1770	1.8	2.0	22.5	1665	0.124	0.1500	0.0916	1.30	0.085	1.62	340	280	280	245	345	320
1 CX185	30	2.3	-	4 X0.80	1.40	26.0	2170	2.0	2.0	25.0	2040	0.099	0.1200	0.0895	1.35	0.084	1.62	380	305	305	260	390	370
1 CX240	34	2.5	-	4 X0.80	1.40	29.0	2740	2.2	2.0	28.0	2590	0.075	0.0928	0.0976	1.40	0.082	1.72	420	345	340	285	445	425
1 CX300	34	2.7	-	4 X0.80	1.56	32.0	3360	2.4	2.0	30.0	3200	0.060	0.0751	0.0863	1.44	0.08	1.74	465	375	370	310	500	475
1 CX400	53	3.0	-	4 X0.80	1.56	36.0	4400	2.6	2.2	34.0	4150	0.047	0.0604	0.0845	1.48	0.08	1.81	500	400	405	335	570	550
1 CX500	53	3.4	-	4X0.80	1.56	40.0	5450	3.0	2.2	38.0	5230	0.370	0.0490	0.0835	1.47	0.079	1.86	540	425	430	355	610	590
1 CX630	53	3.9	-	4X0.80	1.56	44.0	6820	3.4	2.4	43.0	6600	0.280	0.0401	0.0833	1.45	0.077	1.87	590	470	465	375	680	660