

2 CORE ALLUMINIUM 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 mm	ARMoured								UNARMoured			Max. D.C. Resistance at 20 Ohms/ Km	Max. A.C. Resistance at 70 Ohms/ Km	Approx. Reactance at 50 Hz Ohms/ Km	Approx. Capacitance mFd/Km	CURRENT RATINGS		
				Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Nom. Thickness of Outer Sheath mm	Overall Diameter (Approx) mm	Net Wt. of Cable (Approx) Kg/Km					Direct in Ground Amps	In Duct Amps	In Air Amps
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg/Km)	Wire (Kg/Km)										
2Cx1.5	1	0.80	0.30	—	1.40	—	1.24	—	13.5	—	390	1.80	10.40	170	18.10	21.72	0.126	0.140	18	16	16
2Cx2.5	1	0.90	0.30	—	1.40	—	1.24	—	15.0	—	450	1.80	11.90	210	12.10	14.52	0.119	0.150	25	21	21
2Cx4	1	1.00	0.30	—	1.40	—	1.24	—	16.5	—	550	1.80	13.40	265	7.41	8.89	0.116	0.160	32	27	27
2Cx6	1	1.00	0.30	—	1.40	—	1.24	—	17.5	—	640	1.80	14.40	320	4.61	5.53	0.110	0.190	40	34	35
2Cx10	1	1.00	0.30	—	1.40	—	1.24	—	19.0	—	745	1.80	15.90	390	3.08	3.70	0.100	0.220	55	45	47
2Cx16	6	1.00	0.30	4x0.8	1.60	1.40	1.40	18.8	20.4	528	725	1.80	18.00	338	1.91	2.29	0.097	0.290	70	58	59
2Cx25	6	1.20	0.30	4x0.8	1.60	1.40	1.40	20.8	22.4	658	887	2.00	20.40	461.0	1.20	1.44	0.097	0.320	90	76	78
2Cx35	6	1.20	0.30	4x0.8	1.60	1.40	1.40	21.8	23.4	747	974	2.00	21.40	537.0	0.868	1.04	0.097	0.370	110	92	99
2Cx50	6	1.40	0.30	4x0.8	1.60	1.40	1.56	24.3	26.2	923	1198	2.00	23.90	683.0	0.641	0.77	0.094	0.370	135	115	125
2Cx70	12	1.40	0.30	4x0.8	1.60	1.56	1.56	26.7	28.3	1124	1411	2.00	26.00	838.0	0.443	0.53	0.090	0.440	160	140	150
2Cx95	15	1.60	0.40	4x0.8	2.00	1.56	1.56	30.2	32.6	1411	1915	2.20	29.90	1107.0	0.320	0.38	0.090	0.440	190	170	185
2Cx120	15	1.60	0.40	4x0.8	2.00	1.56	1.72	31.7	34.4	1613	2170	2.20	31.40	1291.0	0.253	0.30	0.087	0.490	210	190	210
2Cx150	15	1.80	0.40	4x0.8	2.00	1.72	1.72	35.4	37.8	1948	2553	2.40	35.20	1592.0	0.206	0.25	0.087	0.490	240	210	240
2Cx185	30	2.00	0.50	4x0.8	2.00	1.88	1.88	39.4	41.5	2357	3013	2.40	38.50	1933.0	0.164	0.20	0.087	0.490	275	240	275
2Cx240	30	2.20	0.50	4x0.8	2.50	2.04	2.04	42.5	45.9	2880	3908	2.60	42.00	2424.0	0.125	0.15	0.087	0.500	320	275	325
2Cx300	30	2.40	0.60	4x0.8	2.50	2.20	2.20	48.5	51.9	3500	4675	2.80	48.10	2981.0	0.100	0.12	0.086	0.520	355	305	365
2Cx400	53	2.60	0.70	4X0.8	3.15	2.36	2.52	55.5	60.5	4560	6560	3.20	52.50	3755.0	0.0778	0.09	0.086	0.530	385	345	420

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