

4 CORE ALUMINIUM XLPE ARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No. of Wires	Thickness of insulation (Nom.) (mm)	Min. Thickness of innersheath (mm)	Nominal Dimensions of Armour Strip (mm)		Min. Thickness of Outsheath Wire Armour (mm)		Overall Diameter (Approx.) (mm)		Approx. Net Wt. of Cable (Kg/Km)		Max. D.C. Resistance at 20°C Ohms/Km	Max. A.C. Resistance at 90°C Ohms/Km	Approx. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mFd/Km	Current Rating	
					Wire	Strip	Wire Armour	Strip Armour	Wire Armour	Strip Armour	Wire Armour	Strip Armour					Direct in Ground Amps	In Air Amps
A2xfy/A2xwy	4CX16	6	0.7	0.3	1.60	4X0.8	1.40	1.40	22.8	21.2	862	640	1.91	2.45			73	70
A2xfy/A2xwy	4CX25	6	0.9	0.3	1.60	4X0.8	1.40	1.40	23.8	23.2	1031	792	1.2	1.54	0.08	0.2	94	96
A2xfy/A2xwy	4CX35	6	0.9	0.3	1.60	4X0.8	1.40	1.40	26.0	24.4	1212	959	0.868	1.11	0.08	0.23	113	117
A2xfy/A2xwy	4CX50	6	1	0.3	1.60	4X0.8	1.56	1.56	29.5	27.9	1515	1214	0.641	0.82	0.078	0.24	133	142
A2xfy/A2xwy	4CX70	12	1.1	0.4	2.00	4X0.8	1.56	1.56	34.1	31.7	2112	1581	0.443	0.567	0.077	0.26	164	179
A2xfy/A2xwy	4CX95	15	1.1	0.4	2.00	4X0.8	1.72	1.56	37.9	35.2	2606	1975	0.32	0.41	0.074	0.29	196	221
A2xfy/A2xwy	4CX120	15	1.2	0.5	2.00	4X0.8	1.88	1.72	41.9	39.1	3102	2422	0.253	0.325	0.072	0.29	223	257
A2xfy/A2xwy	4CX150	15	1.4	0.5	2.50	4X0.8	2.04	1.88	46.3	42.6	3985	2892	0.206	0.265	0.072	0.29	249	292
A2xfy/A2xwy	4CX185	30	1.6	0.5	2.50	4X0.8	2.20	2.04	51.5	47.8	4761	3542	0.164	0.211	0.072	0.29	282	337
A2xfy/A2xwy	4CX240	30	1.7	0.6	2.50	4X0.8	2.36	2.20	57.5	53.8	5824	4453	0.125	0.162	0.072	0.31	326	399
A2xfy/A2xwy	4CX300	30	1.8	0.7	3.15	4X0.8	2.52	2.36	64.5	59.5	7518	5394	0.1	0.13	0.071	0.33	367	455
A2xfy/A2xwy	4CX400	53	2	0.7	3.15	4X0.8	2.84	2.68	72.1	67.1	9179	6779	0.0778	0.1023	0.07	0.33	418	530

4 CORE ALUMINIUM XLPE UNARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No. of Wires	Thickness of insulation (Nom.) (mm)	Min. Thickness of innersheath (mm)	Nom. Thickness of Outsheath (mm)	Overall Diameter (Approx.) (mm)	Net Wt. of Cable (Approx.) (Kg/Km)	Max. D.C. Resistance at 20°C Ohms/Km	Max. A.C. Resistance at 90°C Ohms/Km	Approx. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mFd/Km	Current Ratings	
												Direct in Ground Amps	In Air Amps
A2xy	4CX16	6	0.7	0.3	1.80	21.0	457	1.9100	2.4500			73	70
A2xy	4CX25	6	0.9	0.3	2.00	22.4	618	1.2000	1.5400	0.080	0.20	94	96
A2xy	4CX35	6	0.9	0.3	2.00	24.6	763	0.8680	1.1100	0.080	0.23	113	117
A2xy	4CX50	6	1.0	0.3	2.00	27.8	964	0.6410	0.8200	0.078	0.24	133	142
A2xy	4CX70	12	1.1	0.4	2.20	32.0	1321	0.4430	0.5670	0.077	0.26	164	179
A2xy	4CX95	15	1.1	0.4	2.20	35.5	1681	0.3200	0.4100	0.074	0.29	196	221
A2xy	4CX120	15	1.2	0.5	2.40	39.5	2103	0.2530	0.3250	0.072	0.29	223	257
A2xy	4CX150	15	1.4	0.5	2.60	43.0	2551	0.2060	0.2650	0.072	0.29	249	292
A2xy	4CX185	30	1.6	0.5	2.80	48.3	3164	0.1640	0.2110	0.072	0.29	282	337
A2xy	4CX240	30	1.7	0.6	3.00	54.6	4067	0.1250	0.1620	0.072	0.31	326	399
A2xy	4CX300	30	1.8	0.7	3.20	60.6	5012	0.1000	0.1300	0.071	0.33	367	455
A2xy	4CX400	53	2.0	0.7	3.60	68.3	6373	0.0778	0.1023	0.070	0.33	418	530