

TWO CORE ALUMINIUM XLPE ARMoured POWER CABLES

TYPE	No of cores & cross sectional area	Min No of strand in conductor	Thickness of xlpe insulation	Min Thickness of inner sheath	Nominal Dimensions of armour		Min.Thickness of pvc outer sheath		Overall Diameter (Approx) (nom)		Approx.Net Wt. of Cable		Max D.C. Resistance at 20 c	Max A.C Resistance at 90 C	Approx Reactance at 50 Hz	Approx capacitance	CURRENT RATING	
					Wire	Strip	wire	strip	Wire	Strip	Wire	Strip					Direct in Ground	In Air
			(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	Kg/Km	Kg/Km	Ohm/Km	Ohm/Km	Ohm/Km	mFd/Km	Amps	Amps
A2XWY	2 CX 4	1/3	0.70	0.30	1.40	-	1.24	-	14	-	370	-	7.41	9.48	0.098	0.11	34	30
A2XWY	2 C X6	1/3	0.70	0.30	1.40	-	1.24	-	15	-	460	-	4.61	5.90	0.090	0.13	43	40
A2XWY	2 C X10	/17	0.70	0.30	1.40	-	1.24	-	17	-	530	-	3.08	3.94	0.084	0.16	57	53
A2XWY	2 C X16	6	0.70	0.30	1.40	-	1.40	-	17	-	550	-	1.91	2.44	0.080	0.18	78	70
A2XWY/A2XFY	2 C X25	6	0.90	0.30	1.60	4 x0.80	1.40	1.40	20	18	750	550	1.20	1.54	0.080	0.20	85	99
A2XWY/A2XFY	2 C X35	6	0.90	0.30	1.60	4 x0.80	1.40	1.40	21	20	850	650	0.868	1.11	0.080	0.23	116	117
A2XWY/A2XFY	2 C X50	6	1.00	0.30	1.60	4 x0.80	1.40	1.40	23	22	1000	750	0.641	0.82	0.078	0.24	140	140
A2XWY/A2XFY	2 C X70	12	1.10	0.30	1.60	4 x0.80	1.56	1.56	26	25	1250	1000	0.443	0.567	0.077	0.26	170	176
A2XWY/A2XFY	2 C X95	15	1.10	0.40	2.00	4 x0.80	1.56	1.56	30	27	1700	1250	0.320	0.411	0.074	0.29	200	221
A2XWY/A2XFY	2 C X120	15	1.20	0.40	2.00	4 x0.80	1.56	1.56	32	30	1950	1450	0.253	0.325	0.072	0.29	225	258
A2XWY/A2XFY	2 C X150	15	1.40	0.40	2.00	4 x0.80	1.72	1.72	35	32	2250	1700	0.206	0.265	0.072	0.29	255	294
A2XWY/A2XFY	2 C X185	30	1.60	0.50	2.00	4 x0.80	1.88	1.72	38	35	2700	2050	0.164	0.211	0.072	0.29	285	339
A2XWY/A2XFY	2 C X240	30	1.70	0.50	2.50	4 x0.80	2.04	1.88	44	40	3550	2550	0.125	0.162	0.072	0.31	325	402
A2XWY/A2XFY	2 C X300	30	1.80	0.60	2.50	4 x0.80	2.20	2.04	47	43	4100	3000	0.100	0.130	0.071	0.33	370	461
A2XWY/A2XFY	2 CX 400	53	2.00	0.60	2.50	4 x0.80	2.36	2.36	52	49	4950	4000	0.0778	0.1023	0.070	0.33	435	542
A2XWY/A2XFY	2 C X500	53	2.20	0.70	3.15	4 x0.80	2.68	2.52	59	54	6500	4650	0.0605	0.0808	0.070	0.34	481	624
A2XWY/A2XFY	2 C X 630	53	2.40	0.70	3.15	4 x0.80	2.84	2.68	64	60	7800	5700	0.0469	0.0648	0.069	0.36	537	723

ARMoured CABLE



UNARMoured CABLE



TWO CORE ALUMINIUM UNARMoured XLPE POWER CABLES

TYPE	No of cores & cross sectional area	Min No of Strand conductor	Thickness of xlpe insulation	Min Thickness of inner sheath	Nominal Thickness of pvc outer sheath	Overall Diameter (Approx)	Approx Weight of cables	Max D.C. Resistance at 20 C	Max A.C Resistance at 90 C	Approx Reactance at 50 Hz	Approx capacitance	CURRENT RATING	
												Direct in Ground	In Air
			(MM)	(MM)	(MM)	(MM)	Kg/Km	Ohm/Km	Ohm/Km	Ohm/Km	mFd/Km	Amps	Amps
A2XY	2 CX 4	1/3	0.70	0.30	1.80	12	180	7.41	9.48	0.098	0.11	34	30
A2XY	2 C X6	1/3	0.70	0.30	1.80	13	220	4.61	5.90	0.090	0.13	43	40
A2XY	2 C X10	1/7	0.70	0.30	1.80	15	280	3.08	3.94	0.084	0.16	57	53
A2XY	2 C X16	6	0.70	0.30	1.80	14	250	1.91	2.44	0.080	0.18	78	70
A2XY	2 C X25	6	0.90	0.30	2.00	18	400	1.20	1.54	0.080	0.20	85	99
A2XY	2 C X35	6	0.90	0.30	2.00	19	450	0.868	1.11	0.080	0.23	116	117
A2XY	2 C X50	6	1.00	0.30	2.00	21	600	0.641	0.820	0.078	0.24	140	140
A2XY	2 C X70	12	1.10	0.30	2.00	24	750	0.443	0.567	0.077	0.26	170	176
A2XY	2 C X95	15	1.10	0.40	2.20	27	950	0.320	0.411	0.074	0.29	200	221
A2XY	2 C X120	15	1.20	0.40	2.20	29	1150	0.253	0.325	0.072	0.29	225	258
A2XY	2 C X150	15	1.40	0.40	2.20	31	1350	0.206	0.265	0.072	0.29	255	294
A2XY	2 C X185	30	1.60	0.50	2.40	35	1700	0.164	0.211	0.072	0.29	285	339
A2XY	2 C X240	30	1.70	0.50	2.60	40	2150	0.125	0.162	0.072	0.31	325	402
A2XY	2 C X300	30	1.80	0.60	2.80	43	2650	0.100	0.130	0.071	0.33	370	461
A2XY	2 CX 400	53	2.00	0.60	3.00	48	3300	0.0778	0.1023	0.07	0.33	435	542
A2XY	3 C X500	53	2.20	0.70	3.40	54	4200	0.0605	0.0808	0.070	0.34	481	624
A2XY	3 CX 630	53	2.40	0.70	3.80	59	5200	0.0469	0.0648	0.069	0.36	537	723

