

600/1000 VOLTS MULTI-CORE CABLES

Unarmoured - Armoured STA - Armoured SWA

XLPE INSULATION &PVC SHEATH

THREE CORE-SECTOR SHAPED ALUMINUM CONDUCTOR										
Nominal cross-sectional area	Thickness of XLPE insulation	Unarmoured			Armoured STA			Armoured SWA		
		Thickness of SHEATH	overall diameter Φ approx	Net weight approx	Thickness of SHEATH	overall diameter Φ approx	Net weight approx	Thickness of SHEATH	overall diameter Φ approx	Net weight approx
mm ²	mm	mm	mm	kg/km	mm	mm	kg/km	mm	mm	kg/km
3X35	0.9	1.8	20	470	1.8	23	770	1.8	26	1250
3X50	1	1.8	23.5	650	1.8	26.5	1000	1.9	30	1550
3X70	1.1	1.8	27	880	1.9	30	1280	2.1	34	2100
3X95	1.1	1.9	29	1130	2	33	1600	2.2	37	2550
3X120	1.2	2	33	1430	2.2	37	2300	2.3	41	3000
3X150	1.4	2.1	36	1730	2.2	40	2600	2.4	44	3420
3X185	1.6	2.3	42	2210	2.4	46	3300	2.6	51.5	4650
3X240	1.7	2.5	48	2850	2.6	52	4100	2.8	57.5	5600
3X300	1.8	2.6	50.5	3460	2.7	55	4850	2.9	60.5	6750

FOUR CORE WITH REDUCED NEUTRAL-SECTOR SHAPED ALUMINUM CONDUCTOR

Nominal cross-sectional area	Thickness of XLPE insulation	Unarmoured			Armoured STA			Armoured SWA		
		Thickness of SHEATH	overall diameter Φ approx	Net weight approx	Thickness of SHEATH	overall diameter Φ approx	Net weight approx	Thickness of SHEATH	overall diameter Φ approx	Net weight approx
mm ²	mm	mm	mm	kg/km	mm	mm	kg/km	mm	mm	kg/km
3X35+16	0.9-0.7	1.8	23.5	620	1.8	27	950	1.9	28.5	1450
3X50+25	1- 0.9	1.8	27	800	1.9	30	1150	2	32	1800
3X70+35	1.1 -0.9	2	31	1100	2.1	34.5	1550	2.1	36.5	2400
3X95+50	1.1-1	2.1	34.5	1410	2.2	40	2250	2.3	41	2900
3X120+70	1.2-1.1	2.2	38.5	1990	2.4	43	2750	2.5	46.5	3900
3X150+70	1.4-1.1	2.3	42.5	2130	2.5	47	3200	2.6	50	4500
3X185+95	1.6-1.1	2.5	47.5	2660	2.7	52	3900	2.7	55	5250
3X240+120	1.7-1.2	2.7	52.5	3990	2.8	58	4800	2.9	61	6320
3X300+150	1.8-1.4	2.8	58	4160	3	63	5700	3.1	66	7400

FOUR CORE-SECTOR SHAPED ALUMINUM CONDUCTOR

Nominal cross-sectional area	Thickness of XLPE insulation	Unarmoured			Armoured STA			Armoured SWA		
		Thickness of SHEATH	overall diameter Φ approx	Net weight approx	Thickness of SHEATH	overall diameter Φ approx	Net weight approx	Thickness of SHEATH	overall diameter Φ approx	Net weight approx
mm ²	mm	mm	mm	kg/km	mm	mm	kg/km	mm	mm	kg/km
4X25	0.9	1.8	21	520	1.8	23.5	790	1.9	26.5	1450
4X35	0.9	1.8	23.5	650	1.8	25.5	950	1.9	28.5	1680
4X50	1	1.8	26	840	1.9	29	1200	2.1	32	2300
4X70	1.1	1.9	29.5	1150	2	33	1600	2.2	36	2800
4X95	1.1	2	32.5	1500	2.2	37	2300	2.4	37.5	3500
4X120	1.2	2.1	36.5	1860	2.3	41	2800	2.5	44.5	4300
4X150	1.4	2.3	40.5	2300	2.4	45	3200	2.6	48	5100
4X185	1.6	2.4	46.5	2900	2.6	51	4100	2.8	54.5	6100
4X240	1.7	2.6	50.5	3650	2.8	55	5000	3	59.5	7300
4X300	1.8	2.7	55	5420	2.9	60	6000	3.2	63.5	8580

600/1000 VOLTS MULTI-CORE CABLES

Unarmoured - Armoured STA - Armoured SWA

XLPE INSULATION & PVC SHEATH

THREE CORE-SECTOR SHAPED COPPER CONDUCTOR										
Nominal cross-sectional area	Thickness of XLPE insulation	Unarmoured			Armoured STA			Armoured SWA		
		Thickness of SHEATH	overall diameter Φ approx	Net weight approx	Thickness of SHEATH	overall diameter Φ approx	Net weight approx	Thickness of SHEATH	overall diameter Φ approx	Net weight approx
mm ²	mm	mm	mm	kg/km	mm	mm	kg/km	mm	mm	kg/km
3X35	0.9	1.8	20	1121	1.8	23	1421	1.8	26	1901
3X50	1	1.8	23.5	1580	1.8	26.5	1930	1.9	30	2480
3X70	1.1	1.8	27	2182	1.9	30	2582	2.1	34	3402
3X95	1.1	1.9	29	2897	2	33	3367	2.2	37	4317
3X120	1.2	2	33	3662	2.2	37	4532	2.3	41	5232
3X150	1.4	2.1	36	4520	2.2	40	5390	2.4	44	6210
3X185	1.6	2.3	42	5651	2.4	46	6741	2.6	51.5	8091
3X240	1.7	2.5	48	7314	2.6	52	8564	2.8	57.5	10064
3X300	1.8	2.6	50.5	9040	2.7	55	10430	2.9	60.5	12330

FOUR CORE WITH REDUCED NEUTRAL-SECTOR SHAPED COPPER CONDUCTOR

Nominal cross-sectional area	Thickness of XLPE insulation	Unarmoured			Armoured STA			Armoured SWA		
		Thickness of SHEATH	overall diameter Φ approx	Net weight approx	Thickness of SHEATH	overall diameter Φ approx	Net weight approx	Thickness of SHEATH	overall diameter Φ approx	Net weight approx
mm ²	mm	mm	mm	kg/km	mm	mm	kg/km	mm	mm	kg/km
3X35+16	0.9-0.7	1.8	23.5	1370	1.8	27	1700	1.9	28.5	2200
3X50+25	1- 0.9	1.8	27	1885	1.9	30	2235	2	32	2885
3X70+35	1.1 -0.9	2	31	2619	2.1	34.5	3069	2.1	36.5	3919
3X95+50	1.1-1	2.1	34.5	3487	2.2	40	4327	2.3	41	4977
3X120+70	1.2-1.1	2.2	38.5	4656	2.4	43	5416	2.5	46.5	6566
3X150+70	1.4-1.1	2.3	42.5	5354	2.5	47	6424	2.6	50	7724
3X185+95	1.6-1.1	2.5	47.5	6690	2.7	52	7930	2.7	55	9280
3X240+120	1.7-1.2	2.7	52.5	9198	2.8	58	10008	2.9	61	11528
3X300+150	1.8-1.4	2.8	58	10670	3	63	12210	3.1	66	13910

FOUR CORE WITH REDUCED NEUTRAL-SECTOR SHAPED COPPER CONDUCTOR

Nominal cross-sectional area	Thickness of XLPE insulation	Unarmoured			Armoured STA			Armoured SWA		
		Thickness of SHEATH	overall diameter Φ approx	Net weight approx	Thickness of SHEATH	overall diameter Φ approx	Net weight approx	Thickness of SHEATH	overall diameter Φ approx	Net weight approx
mm ²	mm	mm	mm	kg/km	mm	mm	kg/km	mm	mm	kg/km
4X25	0.9	1.8	21	1140	1.8	23.5	1410	1.9	26.5	2070
4X35	0.9	1.8	23.5	1518	1.8	25.5	1818	1.9	28.5	2548
4X50	1	1.8	26	2080	1.9	29	2440	2.1	32	3540
4X70	1.1	1.9	29.5	2886	2	33	3336	2.2	36	4536
4X95	1.1	2	32.5	3856	2.2	37	4656	2.4	37.5	5856
4X120	1.2	2.1	36.5	4836	2.3	41	5776	2.5	44.5	7276
4X150	1.4	2.3	40.5	6020	2.4	45	6920	2.6	48	8820
4X185	1.6	2.4	46.5	7488	2.6	51	8688	2.8	54.5	10688
4X240	1.7	2.6	50.5	9602	2.8	55	10952	3	59.5	13252
4X300	1.8	2.7	55	12860	2.9	60	13440	3.2	63.5	16020