



A MEMBER OF EL SAYAD GROUP
SINCE 1935

EGYPT CABLE

ALUMINIUM SINGLE CORE CABLE - XLPE INSULATED

SIZE	DIMENTIONS					WEIGHTS			Max resistance		Current carrying capacity Air at 40°C
	no. of wiresX diameter Φ		con dia Φ	insulation thick	Overall diameter	ALU H14	insulation XLPE	Total weight approx	DC at 20°C	AC at 90°C	
mm2	NO	mm	mm	mm	mm	kg/km	kg/km	kg/km	Ω /KM	Ω /KM	Amp
16	7X	1.7	5.1	0.7	6.5	44	14	58	1.91	2.45	83
25	7X	2.1	6.3	0.9	8.1	67	22	89	1.2	1.540	107
35	7X	2.5	7.5	0.9	9.3	94	26	120	0.868	1.113	128
50	7X	3	9	1	11.0	135	35	170	0.641	0.822	151
50	19X	1.8	9	1	11.0	133	33	166	0.641	0.822	151
70	19X	2.1	10.5	1.1	12.7	181	43	224	0.443	0.569	185
95	19X	2.5	12.5	1.2	14.9	256	56	312	0.32	0.411	222
120	19X	2.14	14	1.2	16.4	322	63	385	0.253	0.325	252



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ALUMINIUM SINGLE CORE CABLE - PVC INSULATED

SIZE	DIMENSIONS					WEIGHTS			Max resistance		Current carrying capacity Air at 40°C
	no. of wiresX diameter Φ		cond dia Φ	ins thick	Overall diameter	ALU H14	insulation pvc	Total weight approx	DC at 20°C	AC at 70°C	
mm ²	NO	mm	mm	mm	mm	kg/km	kg/km	kg/km	Ω /KM	Ω /KM	Amp
16	7X	1.7	5.1	1	7.1	44	32	76	1.91	2.3	68
25	7X	2.1	6.3	1.2	8.7	67	47	114	1.2	1.440	87
35	7X	2.5	7.5	1.2	9.9	94	55	149	0.868	1.043	104
50	7X	3	9	1.4	11.8	135	77	212	0.641	0.771	125
50	19X	1.8	9	1.4	11.8	133	75	208	0.641	0.771	125
70	19X	2.1	10.5	1.4	13.3	181	87	268	0.443	0.533	160
95	19X	2.5	12.5	1.4	15.3	256	104	360	0.32	0.385	190
120	19X	2.14	14	1.6	17.2	322	126	448	0.253	0.305	220



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DUPLEX TWISTED CABLE

ABC - ALUMINIUM CONDUCTORS - XLPE INSULATED

SIZE MM2	DIMENSIONS					WEIGHTS		Total weight approx
	no. of wires	wire diameter Φ	conductor diameter Φ	insulation thickness	Overall diameter	ALU H14	insulationXLPE	
mm2	NO	mm	mm	mm	mm	kg/km	kg/km	kg/km
2*16	7	1.7	5.1	1.3	15	89	55	144
2*35	7	2.5	7.5	1.3	20	193	78	271
2*50	19	1.82	9	1.5	24	278	100	377
2*70	19	2.1	10.5	1.5	27	370	115	484
2*95	19	2.5	12.5	1.5	31	524	135	659



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EGYPT CABLE

TREPLEX TWISTED CABLE

ABC -ALUMINIUM CONDUCTORS -XLPE INSULATED

SIZE MM2	DIMENTIONS					WEIGHTS		Total weight approx
	no. of wires	wire diameter Φ	conductor diameter Φ	insulation thickness	Overall diameter	ALU H14	insulationXLPE	
mm2	NO	mm	mm	mm	mm	kg/km	kg/km	kg/km
3*16	7	1.7	5.1	1.3	17	134	86	220
3*25	7	2.18	7.5	1.3	22	220	118	338
3*50	7	3	9	1.5	26	417	165	582
3*70	19	2.1	10.5	1.5	29	554	177	731
3*95	19	2.5	12.5	1.5	33	786	207	993



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EGYPT CABLE

QUADRAPLEX TWISTED CABLE

ABC -ALUMINIUM CONDUCTORS -XLPE INSULATED

SIZE MM2	DIMENSIONS					WEIGHTS		Total weight approx
	no. of wires	wire diameter Φ	conductor diameter Φ	insulation thickness	Overall diameter	ALU H14	insulationXLPE	
mm2	NO	mm	mm	mm	mm	kg/km	kg/km	kg/km
4*16	7	1.7	5.1	1.3	19	178	113	292
4*25	7	2.18	7.5	1.3	24	293	155	449
4*50	7	3	9	1.5	29	556	218	774
4*70	19	2.1	10.5	1.5	33	739	234	973
4*95	19	2.5	12.5	1.5	37	1047	274	1322



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TWISTED CABLES

ABC -ALUMINIUM CONDUCTORS -XLPE INSULATED

SIZE mm ²	DIMENSIONS						WEIGHT			Total weight approx	
	phase alu cond	Neutral alu alloy cond messenger	conductor diameter Φ		insulation thickness		Overall diameter Φ	alu cond diameter Φ	alu alloy AAAC		XLPE insulation
			phase AAC	neutral AAAC	phase AAC	neutral AAAC					
mm ²	no. of wires X Φ	no. of wires X Φ	mm	mm	mm	mm	mm	kg/km	kg/km	kg/km	kg/km
1x16+16	7x1.72	7x1.7	4.8	5.1	1.2	1.2	14.7	43	44	46	133
2x16+16	7x1.72	7x1.7	4.8	5.1	1.2	1.2	16.9	86	44	68	198
3x16+16	7x1.72	7x1.7	4.8	5.1	1.2	1.2	18.3	129	44	90	263
1x35+35	7*2.52	7x2.5	7.0	7.5	1.6	1.6	20.9	43	94.0	88	225
2x35+35	7*2.52	7x2.5	7.0	7.5	1.6	1.6	31.1	86	94.0	130	310
3x35+35	7*2.52	7x2.5	7.0	7.5	1.6	1.6	31.1	129	94.0	173	396
1x50+50	19x1.8	7x3	8.3	9	1.6	1.6	23.7	138	135	104	377
3x50+50	19x1.8	7x3	8.3	9	1.6	1.6	35.2	413	135	204	752
3x70+50	19x2.15	7x3	10.1	9	1.8	1.6	39.6	550	135	257	942



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ABC -ALUMINIUM TWISTED CABLE -XLPE INSULATED						
SIZE mm2	DIMENSIONS					
	phase alu conductors	light alu conductor	neutral alu alloy conductor (messenger)	conductor diameter ϕ		
				phase AAC	light AAC	neutral AAAC
mm2	mm2	mm2	mm2	mm	mm	kg/km
3x25+54.6+16	7*2.16	7*1.72	7*3.15	6.0	4.8	9.45
3x35+54.6+16	7*2.52	7*1.72	7*3.15	7.0	4.8	9.45
3x70+54.6+16	19*2.15	7*1.72	7*3.15	10.1	4.8	9.45
3x120+70+16	19*2.15	7*1.72	7*3.15	10.1	4.8	9.45
3x150+70+16	19*3.27	7*1.72	19*2.1	14.3	4.8	10.5
3x120+70+16	19*2.15	7*1.72	7*3.15	10.1	4.8	9.45
3x150+70+16	19*3.27	7*1.72	19*2.1	14.3	4.8	10.5



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ABC -ALUMINIUM TWISTED CABLE -XLPE INSULATED								
SIZE MM2	WEIGHT							Total weight approx
	insulation thickness			Overall diameter	alu conductorsAAC	alu alloy AAAC	XLPE insulation	
	phase	light	neutral					
mm2	mm	mm	mm	mm	kg/km	kg/km	kg/km	kg/km
3×25+54.6+16	1.4	1.2	1.6	30	245	150.4	173	569
3×35+54.6+16	1.6	1.2	1.6	33	318	150.4	205	673
3×70+54.6+16	1.8	1.2	1.6	40	593	150.4	299	1042
3×120+70+16	1.8	1.2	1.6	40	593	150.4	299	1042
3×150+70+16	1.8	1.2	1.6	50	1248	181.0	374	1803
3×120+70+16	1.8	1.2	1.6	40	593	150.4	299	1042
3×150+70+16	1.8	1.2	1.6	50	1249	181.0	374	1804