

Stranded Aluminium & Copper Cable Details

*Compacted

Metric			Imperial				
NOMINAL CROSS SECTIONAL AREA (mm ²)	NO. OF STRANDS/ WIRE DIAMETER (mm)	NOMINAL CONDUCTOR DIA (mm)	NOMINAL CROSS SECTIONAL AREA		NO. OF STRANDS/ WIRE DIAMETER		NOMINAL CONDUCTOR DIA (mm)
			in ²	mm ²	in	mm	
1.0	1/1.13	1.13	0.002	0.97	1/0.044	1/1.12	1.12
			0.002	1.25	3/0.029	3/0.737	1.59
1.5	1/1.38	1.38	0.003	1.93	3/0.036	3/0.914	1.97
			0.005	2.93	7/0.029	7/0.737	2.21
2.5	7/0.67	2.01	0.007	4.52	7/0.036	7/0.914	2.74
			0.010	6.75	7/0.044	7/1.12	3.35
4.0	7/0.85	2.55	0.015	9.43	7/0.052	7/1.32	3.96
			0.023	14.28	7/0.064	7/1.63	4.88
6.0	7/1.04	3.12	0.03	18.29	19/0.044	19/1.12	5.59
			0.035	22.65	7/0.080	7/2.03	6.10
10.0	7/1.35	4.05	0.04	25.50	19/0.052	19/1.32	6.60
			0.058	58.06	7/0.103	7/2.64	7.92
16.0*	7/1.70	4.85	0.061	39.65	19/0.064	19/1.63	8.13
			0.10	65.10	19/0.083	19/2.11	10.50
25.0*	7/2.14	6.00	0.12	75.30	37/0.064	37/1.63	11.40
			0.126	139.70	19/0.092	19/2.34	11.68
35.0*	7/2.65	6.95	0.15	95.30	37/0.072	37/1.83	12.80
			0.152	98.60	19/0.101	19/2.57	12.83
50.0*	19/1.89	8.05	0.20	126.70	37/0.083	37/2.11	14.80
			0.25	159.10	37/0.093	37/2.36	16.50
70.0*	19/2.24	9.75	0.30	195.10	37/0.103	37/2.62	18.30
			0.40	262.20	61/0.093	61/2.36	21.30
95.0*	19/2.65	11.37	0.50	321.60	61/0.103	61/2.62	23.50
			0.60	391.10	91/0.093	91/2.36	26.00
120.0*	19/2.94	12.91	0.75	479.70	91/0.103	91/2.62	28.80
			1.00	669.40	127/0.103	127/2.62	34.00
150.0*	19/3.28	14.32	1.24	800.0	127/0.112	127/2.84	36.92
			1.24	800.0	127/0.112	127/2.84	36.92
185.0*	37/2.65	15.95					
240.0*	37/2.94	18.38					
300.0*	37/3.28	20.80					
400.0*	60/2.94	23.52					
500.0*	61/3.28	26.55					
630.0*	61/3.70	29.90					
800.0*	60/4.21	33.10					