

TECHNICAL INFORMATION

E&J

Services Limited

Table 1. American wire gauge (AWG) and UK equivalents (SWG)

Gage (AWG)	Stranding (nom. AWG)	Min. average O.D. of strand	Approximate O.D.		Max. resistance Ohms/1,000ft	UK Equivalent
			Inches	m.m.		
28	7/36	.0048	.015	.381	70.7	
28	19/40	.0029	.016	.406	70.7	
26	7/34	.0060	.019	.483	44.4	7/0.15
26	10/36	.0050	.021	.553	44.4	
26	19/38	.0036	.020	.508	44.4	
24	7/32	.0076	.024	.610	27.7	7/0.2
24	10/34	.0064	.024	.584	27.7	
24	19/36	.0046	.024	.610	27.7	
24	42/40	.0031	.023	.584	27.7	
22	7/30	.0096	.030	.762	17.5	7/0.25
22	19/36	.0058	.031	.787	17.5	
22	26/36	.0050	.030	.762	17.5	
20	7/28	.0126	.037	.890	10.9	16/0.2
20	10/30	.0101	.037	.890	10.9	
20	19/32	.0073	.037	.940	10.9	
20	26/34	.0063	.036	.914	10.9	
20	42/36	.0049	.036	.914	10.9	
18	7/26	.0152	.048	1.22	6.92	24/0.2
18	16/30	.0101	.047	1.20	6.92	
18	19/30	.0092	.049	1.24	6.92	
18	42/34	.0062	.047	1.20	6.92	
18	65/36	.0050	.047	1.20	6.92	
16	7/24	.0192	.060	1.52	4.35	30/0.25
16	19/29	.0117	.058	1.47	4.35	
16	26/30	.0100	.059	1.50	4.35	
16	65/34	.0063	.059	1.50	4.35	
16	105/36	.0050	.059	1.50	4.35	
14	7/22	.0242	.076	1.85	2.73	50/0.25
14	19/26	.0147	.071	1.85	2.73	
14	42/30	.0099	.075	1.85	2.73	
14	105/34	.0063	.075	1.85	2.73	

Conductor cross sectional area. Square mm	Current carrying capacities Amps	Volt drop per Amp per metre, d.c./ single phase		Volt drop per Amp per metre, d.c./ three phase	
		a.c.	mV	a.c.	mV
0.50	3		83		72
0.75	6		56		48
1.00	10		43		37
1.50	15		31		26
2.50	20		18		16
4.00	25		11		9.6

Information provided in this section is given in good faith and is correct to the best of our knowledge however no warranty is given or to be implied with regard to this information

PRIORITY ORDER LINE - 01733 311 592