

Stud Sizes	Stud Sizes		Hole Dia.	
	American in.	Metric mm	in.	mm
•	#0	.060		
•	#1	.073	2	.087
•	#2	.086	2.6	
•	#3	.099		.126
•	#4	.112	3	
•	#5	.125		.146
•	#6	.138	3.5	
•	#8	.164	4	.169
•	#10	.190	5	.209
•	#12	.216	6	
•	#14	.242		.252
•	1/4	.250		
•	5/16	.312	8	21/64
•	3/8	.375	9	12/32
•			10	13/32
•	7/16	.437	10	29/64
•	1/2	.500	12	33/64
•			16	21/32
•	5/8	.625	19	51/64
•			20	53/64
•	7/8	.875	22	29/32
•	1"	1.000	26	1-1/32

REFERENCE DATA

Conductor Sizes									
AWG	Area		Dia.		AWG	Area		Dia.	
	mm ²	CMA	mm	in.		mm ²	CMA	mm	in.
26	.128	252	.404	.0159	6	13.3	26,200	4.12	.162
25	.161	320	.454	.0179	5	16.4	33,100	4.62	.182
24	.205	404	.511	.0201	4	21.2	47,700	5.19	.204
23	.259	511	.574	.0226	3	26.7	52,600	5.82	.229
22	.324	640	.643	.0253	2	33.6	66,300	6.54	.258
21	.412	812	.724	.0285	1	42.4	83,700	7.35	.289
20	.510	1,020	.813	.0320	1/0	55.5	109,600	8.40	.331
19	.653	1,290	.912	.0359	2/0	67.4	133,000	9.26	.365
18	.823	1,620	1.02	.0453	3/0	85.01	168,000	10.40	.410
17	1.04	2,050	1.15	.045	4/0	107.2	212,000	11.68	.460
16	1.31	2,580	1.29	.051	250MCM	126.6	250MCM	12.70	.500
15	1.65	3,260	1.45	.057	300MCM	152.1	300MCM	13.92	.548
14	2.08	4,110	1.63	.064	350MCM	177.6	350MCM	15.04	.592
13	2.63	5,180	1.83	.072	400MCM	202.2	400MCM	16.05	.632
12	3.31	6,530	2.05	.080	450MCM	227.93	450MCM	17.04	.671
11	4.17	8,230	2.30	.091	500MCM	252.9	500MCM	17.95	.707
10	5.26	10,400	2.59	.102	550MCM	278.9	550MCM	18.85	.742
9	6.63	13,100	2.91	.114	600MCM	304.3	600MCM	19.69	.775
8	8.37	16,500	3.26	.129	650MCM	328.9	650MCM	20.47	.806
7	10.6	20,800	3.66	.144					

Table of wire sizes, Allowable current and Applicable terminals						
Conductor sizes		Allowable current (A) 30 °C				Applicable terminal
Solid (mm)	Stranded (mm ²)	Rubber/vinyl insulated wire		Cord		
		Solid	Stranded			
—	0.3 0.5	—	—	—	0.5 or 1.25	
1.0 1.2	0.9 1.25	16 19	17 19	7(0.75mm ²)12	1.25	
1.6	2	27	27	17	2	
2.0	3.5	35	37	23	5.5	
2.6	5.5	48	49	35	5.5	
3.2	8	62	61	—	8	
4.0	14	81	88	—	14	
5.0	22	107	115	—	22	
—	30	—	140	—	38	
—	38	—	162	—	38	
—	50	—	190	—	60	
—	60	—	217	—	60	
—	80	—	255	—	80	
—	100	—	298	—	100	
—	125	—	345	—	150	
—	150	—	395	—	150	
—	200	—	469	—	200	
—	250	—	556	—	325	
—	325	—	650	—	325	

Crimp tensile strength	
Conductor sizes (mm ²)	Crimp tensile strength (N)
0.13 (AWG#26)	13
0.2 (AWG#24)	22
0.3 (AWG#22)	36
0.5 (AWG#20)	58
0.75 (AWG#18)	89
1.25	200
2	290
3.5	540
5.5	780
8	980
14	1400
22	1800
30	2300
38	2500
50	2900
60	3200
80	3500
100	3900
125	4000
150	4100
200	4400
250	4600
325	4800

Concerning the crimping of solderless terminals onto wiring used for minute currents or voltages or onto special wiring.

When crimping terminals onto wiring used for minute currents or voltages, or onto special wiring such as tin-coated wiring (used for wrapping), lead wires for electronic components, etc., differences in the materials, surface treatment, hardness, etc., of the wiring may result in changes in the electrical resistance at the crimped parts. Be sure to confirm that the solderless terminals are compatible with the electrical circuit in which they are to be used.

Contact us for information on using our products with special electrical wiring, etc.