TERMINALS

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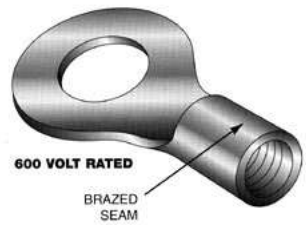
Silver Brazed Barrel

12-10 WIRE RANGE

Stock Thickness (See chart below)

The silver brazed barrel style terminals and connectors are the basic butted seam style with a brazed barrel seam. Bonded with a special silver brazing alloy, this seam cannot possibly open under any conditions of stress or wire pull. The silver brazed barrel is guaranteed not to split and may be crimped from any direction. It is truly versatile. It can be crimped by many different methods and many different kinds of tooling. Ideal for both difficult-to-crimp solid wires and for stranded wires.



HEAVY DUTY TERMINALS are designed to resist fractures under HEAVY vibration. Here is the best line of terminals for those extra difficult applications where RUGGEDNESS really counts!

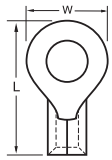
TERMINALS ARE NOT ACTUAL SIZE

Copper Stranded Wire Only

Part #	Stock Thickness ± 0.001
R2C6S	.040"
R2C6	.040"
R2C8S	.040"
R2C10	.040"
R2C14S	.040"
R2C56S	.040"
R2C56	.040"
R2C38	.040"
BS2C6	.040"
BS2C8	.040"
BS2C10	.040"
B7C	.040"

RoHS COMPLIANT

Stud Size	Part Number	Stud Size	Part Number
4-6	**R2C6S**	4-6	**BS2C6**
4-6	**R2C6**	8	**BS2C8**
6-8	**R2C8S**	10	**BS2C10**
6-8	**R2C8**	Butt	**B7C**
8-10	**R2C10**		
12-1/4	**R2C14S**		
1/4-5/16	**R2C56S**		
1/4-5/16	**R2C56**		
5/16-3/8	**R2C38**		



DIMENSIONAL CHART		
Part Number	W	L
B7C		0.812"
BS2C10	0.312"	0.724"
BS2C6	0.330"	0.784"
BS2C8	0.315"	0.739"
R2C10	0.377"	0.772"
R2C14S	0.532"	0.933"
R2C38	0.591"	1.038"
R2C56	0.613"	0.984"
R2C56S	0.598"	1.056"
R2C6	0.376"	0.777"
R2C6S	0.282"	0.676"
R2C8	0.376"	0.761"
R2C8S	0.296"	0.688"

Add suffix "M" for 1000 pack
Add suffix "P" for Pro Pack (Quantities vary by Part #)

Approved installation tool: See tool chart pages
Economy installation tools: RAT-NINS, 453, HTS1000

See **tool** pages for installation tools.

LISTED

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HOW TO SELECT THE PROPER CRIMP TERMINAL

Part #	R	4	B	6	S
Example	**Tongue**	**Barrel Type**	**Wire Range**	**Stud Size**	**Special**

Tongue

R = Ring
BS = Block Spade
B = Butt Splice
CFR = Female Disconnect, fully insulated
FR = Female Disconnect
CM(X)T = Male Tab, fully insulated
MT = Male Tab
FLFR = Female Flag Disconnect
LS = Locking Spade
P = Parallel Splice
PG = Piggy Back Female/Male Disconnect/Tab

Barrel Type

1 Butted Seam
Pure electrolytic copper, annealed, electro-tin plated for corrosion resistance, designed with deep internal serration for firm wire grip

2 Brazed Seam
Same as type 1, except with a brazed seam to ensure maximum strength of wire terminators

4 Vinyl Insulation
Same as type 1 with a NEMA colour-coded, funneled, vinyl insulating sleeve which when crimped, grips the wire insulation to avoid flexing at point of crimps. UL rated at 90°C, 600V

4N Nylon Insulation (No Brass Sleeve)
Same as type 1 with a colour-coded nylon insulating sleeve without brass sleeve. UL rated at 105°C, 600V

6 Nylon Insulation (With Brass Sleeve)
Same as type 1 with NEMA colour coded, nylon insulating sleeve or over a tin plated brass sleeve which offers maximum crimp strength where extreme vibration and flexing are encountered. UL rated at 105°C, 600V

7 Seamless Tube
Pure electrolytic copper, seamless, annealed and electro-tin plated for extra strength in a crimp

8 Nylon Insulation Seamless Tube
Same as type 7 with a nylon insulation for use where excessive vibration will be encountered.

9 High Temperature
Nickel-plated, cold rolled steel, butted seam terminals for temperatures up to 900°F

Wire Range

Code	A	B	C	E	F	G
Range (AWG)	22-18	16-14	12-10	8	6	4

Stud Size

Code	6	8	10	14		
Stud Size	#6	#8	#10	1/4"		
Code	56	38	50	110	187	250
Stud Size	5/16"	3/8"	1/2"	.110 NEMA Tab	.187 NEMA Tab	.250 NEMA Tab

Special

-- Standard
S Small/Narrow Tongue
F Fully Insulated

Packaging

Pro Pack	Retail Pack	Bulk Pack
Qty varies by product	100 Qty	1,000 Qty

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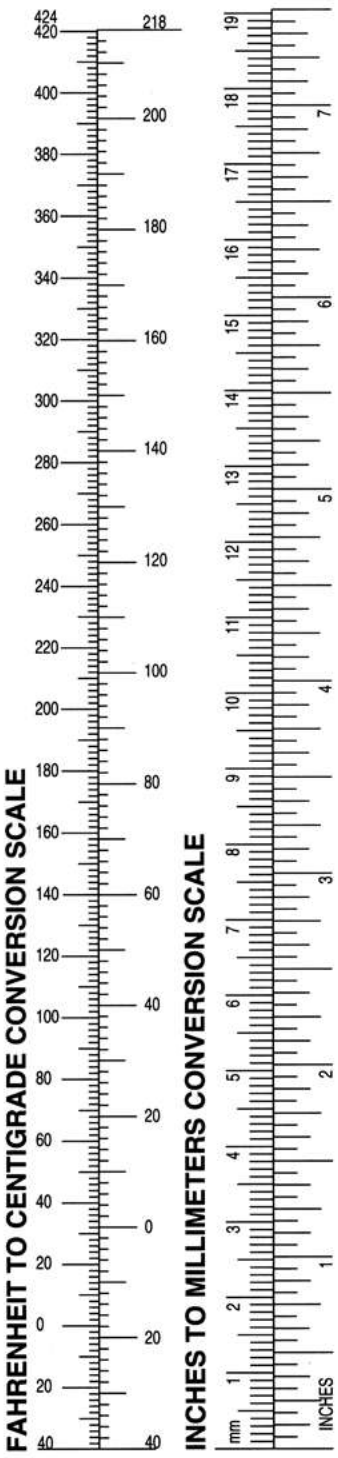
CONVERSION TABLES



Wire gauge conversion to decimal equivalents

INCH FRAC.	INCH DEC.	MILLI-METERS	INCH FRAC.	INCH DEC.	MILLI-METERS
1/64	.0156	0,397	33/64	.5156	13,097
1/32	.0312	0,794	17/32	.5312	13,494
3/64	.0468	1,191	35/64	.5468	13,891
1/16	.0625	1,588	9/16	.5625	14,288
5/64	.0781	1,984	37/64	.5781	14,684
3/32	.0937	2,381	19/32	.5937	15,081
7/64	.1093	2,778	39/64	.6093	15,478
1/8	.1250	3,175	5/8	.6250	15,875
9/64	.1406	3,572	41/64	.6406	16,272
5/32	.1562	3,969	21/32	.6562	16,669
11/64	.1718	4,366	43/64	.6718	17,066
3/16	.1875	4,763	11/16	.6875	17,463
13/64	.2031	5,159	45/64	.7031	17,859
7/32	.2187	5,556	23/32	.7187	18,256
15/64	.2343	5,954	47/64	.7343	18,653
1/4	.2500	6,350	3/4	.7500	19,050
17/64	.2656	6,747	49/64	.7656	19,447
9/32	.2812	7,144	25/32	.7812	19,884
19/64	.2968	7,541	51/64	.7968	20,241
5/16	.3125	7,938	13/16	.8125	20,638
21/64	.3281	8,334	53/64	.8281	21,034
11/32	.3437	8,731	27/32	.8437	21,431
26/64	.3593	9,128	55/64	.8593	21,828
3/8	.3750	9,525	7/8	.8750	22,225
25/64	.3906	9,922	57/64	.8906	22,622
13/32	.4062	10,319	29/32	.9062	23,019
27/64	.4218	10,716	59/64	.9218	23,416
7/16	.4375	11,113	15/16	.9375	23,813
29/64	.4531	11,509	64/64	.9531	24,209
15/32	.4687	11,906	31/32	.9687	24,606
31/64	.4843	12,303	63/64	.9843	25,003
1/2	.5000	12,700	1	1.000	25,400

Move decimal point three places to the right to read mills.

AWG	DIAMETER INCHES	CMA	AWG	DIAMETER INCHES	CMA
4/0	.460	212,000	12	.081	6,530
3/0	.410	168,000	13	.072	5,180
2/0	.365	133,000	14	.064	4,110
1/0	.325	106,000	15	.057	3,260
1	.289	83,700	16	.051	2,580
2	.258	66,400	17	.045	2,050
3	.229	52,600	18	.040	1,620
4	.204	41,700	19	.036	1,290
5	.182	33,100	20	.032	1,020
6	.162	26,300	21	.0285	810
7	.144	20,800	22	.0253	642
8	.128	16,500	23	.0226	509
9	.114	13,100	24	.0201	404
10	.102	10,400	25	.0179	320

AWG	mm²	Standard wires mm²					
26-22	0,1-0,4	0,14	0,20	0,25	0,35		
22-16	0,25-1,6	0,25	0,35	0,50	0,75	1,0	1,5
16-14	1,0-2,6	1,0	1,5	2,5			
12-10	2,7-6,6	4,0	6,0				
8	6,6-10,5	10					
6	10,5-16,8	16					
4	16,8-26,6	2,5					
2	26,6-42,4	35					
1/0	42,4-60,5	50					
2/0	60,5-76,2	70					
3/0	76,2-96,3	95					
4/0	96,3-117,0	120					

Hole diameter #10 and 3/8" are available in metric ref.

#10 .190 .209 (5,31) M5

3/8" .375 .413 (10,5) M9-10

* All decimals plus or minus .003"
Fractions plus or minus .055".

Stud size with hole sizes.

STANDARD STUD SIZE		SCEW DIA. (")	ETC HOLE DIA. INCH/mm	DIN.
	#0	.060	.094 (2,39)	M1,7-2,2
	#1	.073		
	#2	.086		
	#3	.099	.120 (3,025)	M2,6
	#4	.112		
	#5	.125	.146 (3,71)	M3-3,5
	#6	.138		
	#8	.164	.173 (4,39)	M4
	#10	.190	.198 (5,03)	
	#12	.216	17/64 (6,75)	M6
	#14	.242		
	1/4"	.250		
	5/16"	.312	21/64 (8,33)	M8
	3/8"	.375	25/64 (9,92)	M9
	7/16"	.437	29/64 (11,51)	M11
	1/2"	.500	33/64 (13,10)	M12
	5/8"	.625	21/32 (16,67)	M16
	3/4"	.750	25/32 (19,84)	M18
	7/8"	.875	29/32 (23,02)	M20
	1"	1.000	1-1/32 (26,19)	M25