elecDirect.com
Selection, Service & Quality Solutions
Sanborn NY

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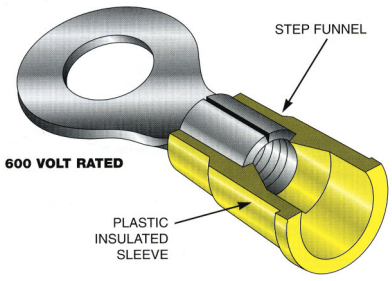
B

P.V.C. Plastic Insulated Sleeve

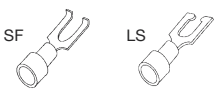
PVC (Butted Seam) terminals and splices feature a rigid Polyvinyl Chloride (PVC) insulation sleeve permanently attached to butted barrel (in #22-10) or (in #22-2). Attaches to wire with one quick crimp. Insulation sleeve prevents vibration damage by not allowing wire flex at point of crimp. Funnel wire entrance into electrical barrel eliminates wire strand "hang-up", increases crimping rates and wire termination reliability*. Operating Temperature Range: continuous duty from -67˚F to 221˚F (-55˚C to 105˚C).

* Step construction provides ideal locator for proper crimping.

** Temp Rating 75˚C



Copper Stranded Wire Only



For Flanged or Locking Styles-
Contact elecDirect.com

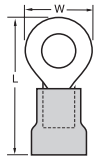
Terminals are NOT Actual Size

12-10 WIRE RANGE

.040 Stock

Stud Size	Part Number
4-6	R4C6S
4-6	R4C6
6-8	R4C8S
6-8	R4C8
8-10	R4C10
12-1/4	R4C14S
1/4-5/16	R4C56S
1/4-5/16	R4C56
5/16-3/8	R4C38

Stud Size	Part Number
4-6	BS4C6
8	BS4C8
10	BS4C10
12	BSF4C10
	B4C**
	P4C Parallel



DIMENSIONAL CHART		
Part Number	W	L
B4C		1.069"
BS4C10	0.323"	1.062"
BS4C14	0.356"	0.998"
BS4C6	0.321"	1.051"
BS4C8	0.323"	1.060"
P4C		0.831"
R4C10	0.377"	1.056"
R4C12	0.757"	1.513"
R4C14S	0.531"	1.221"
R4C38	0.589"	1.327"
R4C56	0.589"	1.320"
R4C56S	0.531"	1.224"
R4C6	0.376"	1.056"
R4C6S	0.286"	1.012"
R4C8	0.378"	1.053"
R4C8S	0.284"	1.022"

RoHS COMPLIANT

Terminals accept .250" Max. Wire Ins. Dia.

LISTED

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

Approved installation tool: RHT-1990/192850018
Economy installation tools: RAT-PVC, 453, HTS1000
See pages E-2 to E-5 for installation tools.

HOW TO SELECT THE PROPER CRIMP TERMINAL

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

Tongue

R = Ring
BS = Block Spade
S = 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
SF = Flanged Spade
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 90ºC, 600V

4N Nylon Insulation (No Brass Sleeve)
Same as type 1 with a colour-coded nylon insulating sleeve without brass sleeve. UL rated at 105ºC, 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 105ºC, 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 900ºF

Wire Range

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

Stud Size

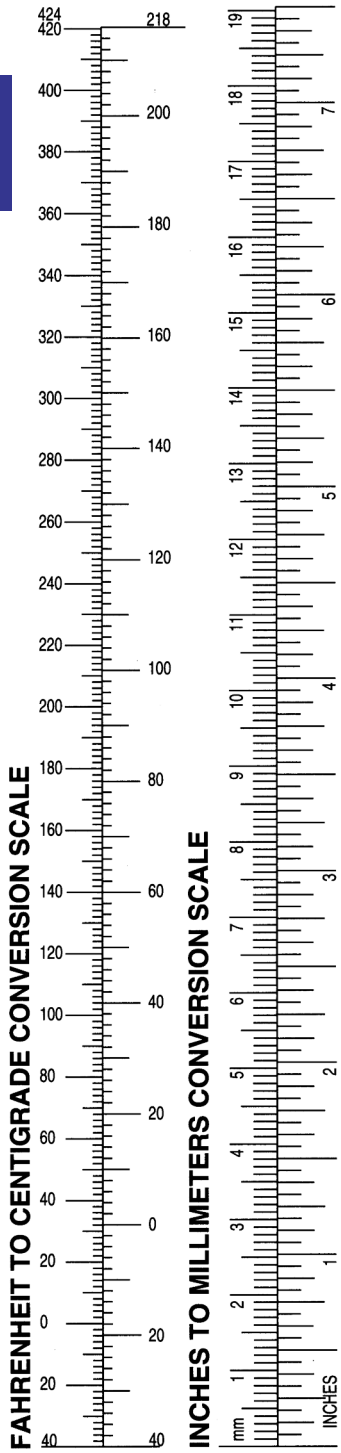
Code	**6**	**8**	**10**	**14**		
Stud Size	#6	#8	#10	1/4"		
Code	**56**	**38**	**50**	**110**	**187**	**250**
Stud Size	5/16"	3/8"	1/2"	.110 NEMA Tab	.187 NEMA Tab	.250 NEMA Tab

Special

-- Standard
S Small/Narrow Tongue
F Fully Insulated

CONVERSION TABLES

B



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