



***Crimp Sleeve  
Wire Connector***

Warranty limited solely to repair or replacement;  
no warranty of merchantability, fitness for a  
particular purpose or consequential damages.

Pat. No. 2,810,897

**IDEAL INDUSTRIES, INC.**

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**I 9639-2**

Made in U.S.A.



**Cu/Cu  
Only**



To be sold only with installation instructions.

## Instructions

Crimp with IDEAL Electrician's Pliers, models 430 or 420; IDEAL Crimp Tool, model 425 (using small crimp die) or model 429 using "BARE" crimp die). Insulate with IDEAL model 415 WRAP-CAP®.

**Note: Always turn off power before installing or removing connectors.**

Listed as a PRESSURE-TYPE wire connector on the following solid and/or stranded wire combinations: COPPER TO COPPER ONLY (DO NOT USE ON ALUMINUM).

1. Strip 2" & insert wires.



3. Crimp sleeve twice & trim.



2. Pretwist wires before crimping.



4. Apply WRAP-CAP® insulator.



## Model 410 Sleeve with WRAP-CAP® - 600V listing applies\*

5, 6, 7, 8, 9 or 10 #18	2 #14 w/4 #16 & 1 #18
3, 4, 5, 6 or 7 #16	2 #14 w/3 #16 & 3 #18
3, 4, 5 or 6 #14	2 #14 w/2 #16 & 5 #18
2 #14 Str	2 #14 w/1 #16 & 7 #18
1 #14 Sol w/1 #14 Str	3 #14 w/3 #16 & 1 or 2 #18
2, 3 or 4 #12	3 #14 w/2 #16 & 1 to 4 #18
2 #10 Str	3 #14 w/1 #16 & 1 to 5 #18
1 #10 Sol w/1 #10 Str	4 #14 w/1 #16 & 1 or 2 #18
1 #14 w/1, 2 or 3 #12	1 #10 w/1 or 2 #12
1 #14 w/1 or 2 #12 & 1 #10	1 #10 w/1 to 6 #16 Str
2 #14 w/1 or 2 #12	1 #10 Str w/1 to 6 #16
2 #14 w/1 #12 & 1 #10	1 #10 w/1 to 2 #18
3 #14 w/1 or 2 #12	1 #10 w/4 to 7 #18
3 #14 w/1 #10	1 #12 w/1 to 9 #18 or 1 to 7 #16
1 #12 w/1, 2, 3 or 4 #14	2 #12 w/1 to 6 #18 or 1 to 4 #16
2 #12 w/1, 2 or 3 #14	3 #12 w/1 to 3 #18 or 1 or 2 #16
2 #12 w/1 #10	1 #14 w/1 to 9 #18 or 1 to 7 #16
2 #10 w/1 or 2 #14	2 #14 w/1 to 8 #18 or 1 to 5 #16
2 #10 w/1 #12	3 #14 w/1 to 5 #18 or 1 to 4 #16
1 #10 w/1, 2, 3 or 4 #14	4 #14 w/1 to 3 #18 or 1 or 2 #16
1 #12 w/6 #16 & 1 or 2 #18	1 #16 w/3 to 7 #18
1 #12 w/5 #16 & 1, 2 or 3 #18	2 #16 w/2 to 8 #18
1 #12 w/4 #16 & 1, 2, 3 or 4 #18	3 #16 w/1 to 7 #18
1 #12 w/3 #16 & 1 to 5 #18	4 #16 w/1 to 5 #18
1 #12 w/2 #16 & 1 to 6 #18	5 #16 w/1 to 4 #18
1 #12 w/1 #16 & 1 to 8 #18	6 #16 w/1 or 2 #18
2 #12 w/4 #16 & 1 #18	7 #16 w/1 #18
2 #12 w/3 #16 & 1, 2 or 3 #18	1 #10 w/5 #16 & 1 #18
2 #12 w/2 #16 & 1 to 4 #18	1 #10 w/4 #16 & 1, 2 or 3 #18
2 #12 w/1 #16 & 1 to 5 #18	1 #10 w/3 #16 & 1 to 4 #18
3 #12 w/1 #16 & 1 or 2 #18	1 #10 w/2 #16 & 1 to 6 #18
1 #14 w/6 #16 & 1 #18	1 #10 w/1 #16 & 1 to 8 #18
1 #14 w/5 #16 & 1 or 2 #18	2 #10 w/1 or 2 #16
1 #14 w/4 #16 & 1, 2, 3 or 4 #18	2 #10 w/1 #16 & 1 or 2 #18
1 #14 w/3 #16 & 1 to 5 #18	2 #10 w/1, 2, 3 or 4 #18
1 #14 w/2 #16 & 1 to 7 #18	
1 #14 w/1 #16 & 1 to 8 #18	

\*1000V Max. in fixtures and signs.

\*\*Not C.S.A. certified.

**OEM:** A connector designated as an OEM (Original Equipment Manufacturer) connector does not require pre-twisting when used in OEM applications.