



UNDERWRITER'S LABORATORIES LISTED WIRE COMBINATIONS

Combinations listed on this page are CU/CU Wire only. (Do not use on aluminum wire.) For use on solid and/or stranded wire combinations unless noted otherwise.

| IDEAL Wire-Nut® Wire Connectors | | | |
|--|--|--|---|
| Model | 300 Volt Maximum | | 600 Volt Maximum |
| 71B® | 1 #14 1 #14 w/1 #20 or #22 1 or 2 #16 1 #16 w/1 #18 1 #16 w/1 or 2 #20 1 #16 w/1 to 3 #22 1 #16 w/1 #20 w/1 #18 or #20 1 #18 str. 1 #18 w/1 to 3 #20 1 #18 w/1 to 4 #22 1 or 2 #18 w/1 #20 w/1 #22 | 2 or 3 #18 2 #18 w/1 #20 2 #18 w/1 or 2 #22 1 #20 w/1 to 4 #22 2 to 4 #20 2 #20 w/1 to 3 #22 3 #20 w/1 or 2 #22 4 #20 w/1 #22 2 #22 str. 3 or 4 #22 5 #22 sol | |
| 72B® | 1 #14 str. 1 #14 w/1 #16 1 #14 w/1 or 2 #18 1 #14 w/1 to 3 #20 1 #14 w/1 to 4 #22 1 #16 str. 1 #16 w/1 to 3 #18 1 #16 w/1 #18 w/1 #20 1 #16 w/1 to 4 #20 or #22 1 #16 w/1 #22 w/1 #18 or #20 2 or 3 #16 2 #16 w/1 #18 2 #16 w/1 or 2 #20 2 #16 w/1 to 3 #22 | 2 #16 w/1 #20 w/1 #22 1 #18 str. 1 #18 w/1 to 4 #20 or #22 1 or 2 #18 w/1 #20 w/1 #22 1 #18 str. w/1 #20 str. 2 #18 w/1 to 3 #20 or #22 2 to 4 #18 3 #18 w/1 or 2 #20 or #22 3 to 5 #20 4 #18 w/1 #20 or #22 3 #20 w/1 or 2 #22 4 #20 w/1 #22 2 #22 | |
| 73B® | 1 #14 w/2 #16 1 #14 w/1 #16 w/1 #18 1 #14 w/3 #18 1 #14 w/4 #20 2 #14 w/1 #18 2 #14 w/1 to 3 #20 or #22 3 or 4 #16 1 #16 w/4 #18 2 #16 w/2 or 3 #18 2 #16 w/3 #20 3 #16 w/1 #18 3 #16 w/1 or 2 #20 or #22 4 #16 w/1 #20 or #22 | 5 #18 1 #18 w/1 #20 4 #18 w/1 #20 or #22 3 #18 w/2 #20 or #22 2 #18 w/3 #22 1 #18 str. w/5 #22 str. 3 to 5 #20 4 #20 w/1 #22 3 #20 w/1 or 2 #22 2 #20 w/2 or 3 #22 1 #20 w/4 #22 5 #22 | 1 or 2 #14 1 #14 w/1 or 2 #18 1 #14 w/1 to 3 #20 1 #14 w/1 to 3 #22 1 #14 w/1 #16 w/1 #18 1 #14 w/1 #16 1 #16 str. 1 #16 w/1 or 2 #18 1 #16 w/1 to 3 #20 or #22 2 #16 w/1 or 2 #20 2 #16 w/1 to 3 #22 2 #16 w/1 #18 1 or 2 #18 w/1 #20 w/1 #22 |
| 74B® | 1 #10 w/2 #12 | 1 #8 1 #10 1 to 3 #12 1 to 4 #14 2 to 5 #16 3 to 6 #20 1 #10 w/1 #12 1 #10 w/1 or 2 #14, #16 or #18 1 #10 w/3 or 4 #16 or #18 1 #12 w/1 to 3 #14, #16 or #18 1 #12 w/4 #16 or #18 2 #12 w/1 or 2 #14 2 #12 w/1 or 2 #16 or #18 1 #14 w/1 to 4 #16, #18 or #20 2 #14 w/1 to 3 #16, #18 or #20 3 #14 w/1 or 2 #16 3 #14 w/1 or 2 #18 or #20 4 #14 w/1 #16 or #18 1 #16 w/1 to 4 #18, #20 or #22 2 #16 w/1 to 3 #18, #20 or #22 3 #16 w/1 or 2 #18, #20 or #22 4 #16 w/1 or 2 #18, #20 or #22 1 #18 w/3 or 4 #20 or #22 2 #18 w/3 #30 or #22 | 1 #10 w/1 #12 w/1 #14 or #16 1 #10 w/1 #12 w/1 or 2 #18 1 #10 w/1 #14 w/2 #16 1 #10 w/1 #14 w/1 to 3 #18 1 #10 w/2 #14 w/1 #16 1 #10 w/1 #16 w/1 or 2 #18 1 #12 w/1 #14 w/3 #16 1 #12 w/2 #14 w/2 #16 2 #12 w/1 #14 w/1 #16 or #18 2 #12 w/1 #16 w/1 or 2 #18 1 #14 w/1 #16 w/1 to 3 #20 1 #14 w/1 #18 w/1 to 3 #20 2 #14 w/1 #16 w/1 or 2 #18 or #20 2 #14 w/1 #16 w/1 to 3 #22 3 #14 w/1 #16 w/1 #18, #20 or #22 3 #14 w/1 #18 w/1 #20 or #22 1 #16 w/1 #18 w/2 or 3 #20 or #22 1 #16 w/1 #18 w/3 or 4 #22 1 #16 w/2 #20 w/2 #22 2 #16 w/1 #18 w/1 or 2 #20 or #22 3 #16 w/1 #18 w/1 #20 or #22 1 #18 w/2 #20 w/3 #22 2 #18 w/1 #20 w/3 #22 2 to 5 #18 |

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| IDEAL Wire-Nut® Wire Connectors | | | | |
|---------------------------------|----------------------------------|-------------------------------------|--|---|
| Model | 300 Volt Maximum | | 600 Volt Maximum | |
| 76B® | 1 #6 w/1 or 2 #16 | 1 #10 w/1 #12 w/3 or 4 #14 | 1 #6 | 2 #12 w/1 to 3 #14 |
| | 1 #6 w/1 #14 | 1 #10 w/2 #12 w/2 or 3 #16 or #18 | 1 #8 | 1 #12 w/3 or 4 #22 |
| | 1 #6 w/1 #12 | 1 #10 w/2 #12 w/1 or 2 #14 | 1 #8 w/1 to 3 #16 | 1 #12 w/2 to 4 #18 or #20 |
| | 1 #6 w/1 #14 w/1 to 4 #22 | 2 #10 w/3 #16 | 1 #8 w/1 or 2 #14 | 1 #12 w/1 to 4 #14 or #16 |
| | 1 #6 w/1 #14 w/1 or 2 #18 | 2 #10 w/2 or 3 #14 | 1 #8 w/1 #12 | 1 #12 w/1 #20 w/2 to 4 #22 |
| | 1 #6 w/1 #14 w/1 #16 | 2 #10 w/1 or 2 #12 | 1 #8 w/1 #14 w/1 to 4 #20 | 2 #12 w/1 #14 w/1 to 3 #20 or #22 |
| | 2 #8 str. | 2 #10 w/1 #16 w/2 or 3 #18 | 1 #8 w/1 to 4 #18, #20 or #22 | 1 #12 w/2 #20 w/1 to 3 #22 |
| | 1 #8 w/4 #16 | 2 #10 w/1 #14 w/2 or 3 #20 or #22 | 1 #8 w/1 #14 w/1 or 2 #16 | 1 #12 w/ #18 w/1 to 4 #20 or #22 |
| | 1 #8 w/3 #14 | 2 #10 w/1 #14 w/1 to 3 #18 | 1 #8 w/1 #12 w/1 #16 or #18 | 1 #12 w/1 #16 w/1 to 4 #20 or #22 |
| | 1 #8 w/2 #12 | 2 #10 w/2 #14 w/1 #16 | 1 or 2 #10 | 1 #12 w/1 #16 w/1 to 4 #18 |
| | 1 #8 w/1 #10 | 2 #10 w/1 #12 w/1 to 3 #18 | 1 #10 w/1 to 4 #16, #18, #20 or #22 | 1 #12 w/1 #14 w/1 to 4 #16, #18, #20 or #22 |
| | 1 #8 w/1 #14 w/4 #18 | 2 #10 w/1 #12 w/1 or 2 #16 | 1 #10 w/5 #16 | 1 #12 w/2 #14 w/1 to 3 #16 |
| | 1 #8 w/1 #14 w/3 or 4 #16 | 3 #10 w/1 #16 or #18 | 1 #10 w/1 to 3 #14 | 2 #12 w/1 to 3 #20 or #22 |
| | 1 #8 w/1 #12 w/1 to 4 #16 or #18 | 5 #12 | 1 #10 w/1 or 2 #12 | 2 #12 w/1 or 2 #16 or #18 |
| | 1 #8 w/1 #12 w/1 or 2 #14 | 2 #12 w/1 #14 w/3 #16 | 1 #10 w/1 or 2 #20 w/1 to 3 #22 | 2 #12 w/1 or 2 #20 w/1 or 2 #22 |
| | 1 #8 w/2 #12 w/1 or 2 #18 | 2 #12 w/2 #14 w/2 #16 | 1 #10 w/1 #18 w/1 to 4 #20 or #22 | 2 #12 w/1 #18 w/1 to 3 #20 or #22 |
| | 1 #8 w/2 #12 w/1 #14 or #16 | 3 #12 w/2 #14 | 1 #10 w/1 #16 w/1 to 4 #20 or #22 | 2 #12 w/1 #16 w/1 to 3 #20 or #22 |
| | 1 #8 w/1 #10 w/1 #12 or #14 | 3 #12 w/3 #16 | 1 #10 w/1 #16 w/1 to 4 #18 | 2 #12 w/1 #16 w/1 to 3 #18 |
| | 3 #10 | 3 #12 w/1 #16 w/2 #18 | 1 #10 w/1 #14 w/1 to 4 #18, #20 or #22 | 2 to 5 #14 |
| | 1 #10 w/4 #14 | 3 #12 w/1 #14 w/1 or 2 #16 | 1 #10 w/1 #14 w/1 to 4 #16 | 4 to 6 #16 |
| | 1 #10 w/3 #12 | 3 #12 w/1 #14 w/1 or 2 #18 | 1 #10 w/2 #14 w/1 or #2 #16 | 2 #12 w/1 #14 w/1 to 3 #18 |
| | 1 #10 w/2 #14 w/3 #16 | 3 #12 w/2 #14 w/1 #16 | 1 #10 w/1 #12 w/1 to 4 #18 | 2 #12 w/1 #14 w/1 to 3 #16 |
| | 1 #10 w/1 #12 w/4 #16 | 4 #12 w/1 #14, #16, #18, #20 or #22 | 1 #10 w/1 #12 w/1 to 3 #16 | 3 #12 w/1 #16 w/1 or 2 #18 |
| | | | 1 #10 w/1 #12 w/1 or 2 #14 | 3 #12 w/1 #14 |
| | | | 1 #10 w/2 #12 w/1 #16 or #18 | 3 #12 w/1 #14 w/1 #20 |
| | | | 2 #10 w/1 to 3 #18 | 3 #12 w/1 #14 w/1 or 2 #22 |
| | | | 2 #10 w/2 #16 | 3 #12 w/1 #14 w/1 #18 |
| | | | 2 #10 w/1 #14 | 3 #12 w/1 or 2 #20 or #22 |
| | | 2 #10 w/1 #16 w/1 #18 | 3 #12 w/1 to 3 #18 | |
| | | 2 #10 w/1 #14 w/1 #20 or #22 | 3 #12 w/1 or 2 #16 | |
| | | 1 to 4 #12 | 3 #12 w/1 #20 w/1 or 2 #22 | |
| | | 3 #12 w/1 #18 w/1 or 2 #22 | 3 #12 w/2 #20 w/1 #22 | |
| | | 3 #12 w/1 #18 w/1 or 2 #20 | 3 #14 w/1 #16 w/1 or 2 #18 | |
| | | 3 #12 w/1 #16 w/1 or 2 #22 | 4 #14 w/1 #18, #20 or #22 | |
| | | 3 #12 w/1 #16 w/1 or 2 #20 | 4 #14 w/2 #18 | |
| | | 2 #12 w/2 #14 w/1 #16 | 4 #14 w/1 #16 | |
| | | 1 #14 w/3 or 4 #18 | 5 #14 w/1 #18 | |
| | | 1 #14 w/2 #20 w/3 #22 | 1 #16 w/4 #18 | |
| | | 1 #14 w/1 #18 w/4 #22 | 2 #16 w/3 #20 | |
| | | 1 #14 w/1 #18 w/3 or 4 #20 | 2 #16 w/3 or 4 #18 | |
| | | 1 #14 w/1 #16 w/2 to 4 #20 | 2 #16 w/1 #20 w/3 #22 | |
| | | 1 or 2 #14 w/1 #16 w/1 to 3 #18 | 2 #16 w/2 #20 w/2 #22 | |
| | | 2 #14 w/2 to 4 #16 | 2 #16 w/1 #18 w/3 #22 | |
| | | 2 #14 w/1 or 2 #20 w/1 or 2 #22 | 2 #16 w/1 #18 w/2 or 3 #20 | |
| | | 2 #14 w/1 #18 w/1 to 3 #20 or #22 | 3 #16 w/1 or 2 #18, #20 or #22 | |
| | | 2 #14 w/1 #16 w/1 to 3 #20 or #22 | 3 #16 w/1 or 2 #20 w/1 #22 | |
| | | 3 #14 w/1 or 2 #20 or #22 | 3 #16 w/1 #18 w/1 or 2 #20 or #22 | |
| | | 3 #14 w/1 or 2 #16 or #18 | 4 #16 w/1 or 2 #22 | |
| | | 3 #14 w/1 #18 w/1 or 2 #20 or #22 | 4 #16 w/1 #18 or #20 | |
| | | 3 #14 w/1 #16 w/1 or 2 #20 or #22 | 4 or 5 #16 w/1 #22 | |

| IDEAL Wire-Nut® Wire Connectors | | | | |
|---------------------------------|--------------------------------|--------------------------------|----------------------------|----------------------------|
| Model | 600 Volt Maximum | | | |
| 59B® | 1 #12 | 2 #14 w/1 #16 | 3 #16 w/1 to 3 #20 or #223 | 5 #18 w/1 #20 w/1 #22 |
| | 1 #12 w/1 to 3 #18 | 2 #14 w/1 #20 w/1 or 2 #22 | #16 w/1 or 2 #18 | 1 #18 w/1 to 4 #20 or #22 |
| | 1 #12 w/1 or 2 #16 | 2 #14 w/1 #18 w/1 or 2 #22 | 3 #16 w/1 #20 w/1 or 2 #22 | 1 #18 w/1 #20 w/1 or 2 #22 |
| | 1 #12 w/1 #14 | 2 #14 w/1 #16 w/1 #20 or #22 | 3 #16 w/1 #18 w/1 or 2 #22 | 2 #18 w/1 to 4 #20 or #22 |
| | 1 to 3 #14 | 1 #16 Stranded OR 1 #18 Str. | 4 #16 w/1 or 2 #22 | 2 #18 w/1 #20 w/1 or 2 #22 |
| | 1 #14 w/1 to 5 #18, #20 or #22 | 2 to 4 #16 | 4 #16 w/1 #18 or #20 | 2 to 6 #20 |
| | 1 #14 w/1 to 3 #16 | 1 #16 w/1 to 5 #18, #20 or #22 | 4 #16 w/1 #20 w/1 #22 | 1 #20 w/2 to 5 #22 |
| | 1 #14 w/1 #20 w/1 or 2 #22 | 1 #16 w/1 #20 w/1 or 2 #22 | 2 to 6 #18 | 2 #20 w/1 to 4 #22 |
| | 1 #14 w/1 #18 w/1 or 2 #22 | 1 #16 w/1 #18 w/1 or 2 #22 | 3 #18 w/1 to 3 #20 or #22 | 3 #20 w/1 to 3 #22 |
| | 1 #14 w/1 #16 w/1 #20 or #22 | 2 #16 w/1 to 4 #18, #20 or #22 | 3 #18 w/1 #20 w/1 or 2 #22 | 4 #20 w/1 or 2 #22 |
| | 2 #14 w/1 to 4 #20 or #22 | 2 #16 w/1 #20 w/1 or 2 #22 | 4 #18 w/1 or 2 #22 or #20 | 5 #20 w/1 #22 |
| | 2 #14 w/1 or 2 #18 | 2 #16 w/1 #18 w/1 or 2 #22 | 4 #18 w/1 #20 | 4 to 6 #22 |