

# COMPRESSION CONNECTORS

## Copper Splice

### Short Barrel

#### SC SERIES



## FEATURES

- Produced from high conductivity copper tubing.
- Serrations indicate proper crimp locations.
- Tin-plated to provide corrosion resistance.
- Marked with die index and color coded.
- Suitable for use at voltages up to 35KV provided connector is properly taped.
- 5KV is the maximum voltage in all bare splices.
- For applications greater than 2000V, consult the cable manufacturer for voltage stress relief instructions.

## RATINGS



UL486A/B Listed.

UL467 Grounding & Bonding (Sizes 8 AWG - 3/0 AWG)

Max ampacity is based on NEC 310.15, insulation type, and conductor material. Please consult your current NEC manual.

\* CLASS B OR C BUILDING WIRE CU CABLE ONLY

### TEMPERATURE RATING/VOLTAGE:

AL9CU. Rated 600V, 90 °C.

All dimensional data is listed in inches.

| CAT. NO.      | WIRE RANGE | EXPANDED WIRE RANGE* |
|---------------|------------|----------------------|
| <b>SC-8</b>   | 8 AWG      | 8 AWG                |
| <b>SC-6</b>   | 6 AWG      | 6 - 8 AWG            |
| <b>SC-4</b>   | 4 AWG      | 4 - 6 AWG            |
| <b>SC-3</b>   | 3 AWG      | 3 - 6 AWG            |
| <b>SC-2</b>   | 2 AWG      | 2 - 6 AWG            |
| <b>SC-1</b>   | 1 AWG      | 1 - 6 AWG            |
| <b>SC-1/0</b> | 1/0 AWG    | 1/0 - 6 AWG          |
| <b>SC-2/0</b> | 2/0 AWG    | 2/0 - 4 AWG          |
| <b>SC-3/0</b> | 3/0 AWG    | 3/0 - 2 AWG          |
| <b>SC-4/0</b> | 4/0 AWG    | 4/0 - 1 AWG          |
| <b>SC-250</b> | 250 MCM    | 250 MCM - 1/0 AWG    |
| <b>SC-300</b> | 300 MCM    | 300 MCM - 2/0 AWG    |
| <b>SC-350</b> | 350 MCM    | 350 MCM - 3/0 AWG    |
| <b>SC-400</b> | 400 MCM    | 400 MCM - 4/0 AWG    |
| <b>SC-500</b> | 500 MCM    | 500 - 250 MCM        |
| <b>SC-600</b> | 600 MCM    | 600 - 250 MCM        |
| <b>SC-750</b> | 750 MCM    | 750-500 MCM          |

\*EXPANDED WIRE RANGE when installed with NSI NT21D dieless compression tool. UL Listed with other tools:

FOR TOOL & DIE CRIMPING INFORMATION, PLEASE SEE TABLE ON PAGE 143



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Tool & Die Charts



|  | COLOR CODE | I.D.  | O.D.  | LENGTH (L) | STD. CTN. QTY. |
|--|------------|-------|-------|------------|----------------|
|  | Red        | 0.173 | 0.272 | 0.902      | 100            |
|  | Blue       | 0.205 | 0.295 | 1.000      | 100            |
|  | Gray       | 0.252 | 0.343 | 1.000      | 100            |
|  | White      | 0.282 | 0.378 | 1.883      | 50             |
|  | Brown      | 0.315 | 0.421 | 1.252      | 50             |
|  | Green      | 0.358 | 0.469 | 1.799      | 50             |
|  | Pink       | 0.390 | 0.520 | 1.598      | 50             |
|  | Black      | 0.441 | 0.563 | 1.752      | 25             |
|  | Orange     | 0.492 | 0.622 | 1.752      | 25             |
|  | Purple     | 0.547 | 0.689 | 1.902      | 25             |
|  | Yellow     | 0.594 | 0.752 | 2.000      | 25             |
|  | White      | 0.657 | 0.815 | 2.098      | 12             |
|  | Red        | 0.701 | 0.874 | 2.098      | 12             |
|  | Blue       | 0.764 | 0.949 | 2.299      | 6              |
|  | Brown      | 0.835 | 1.063 | 2.500      | 6              |
|  | Green      | 1.189 | 1.189 | 2.500      | 6              |
|  | Black      | 1.031 | 1.311 | 3.201      | 3              |

