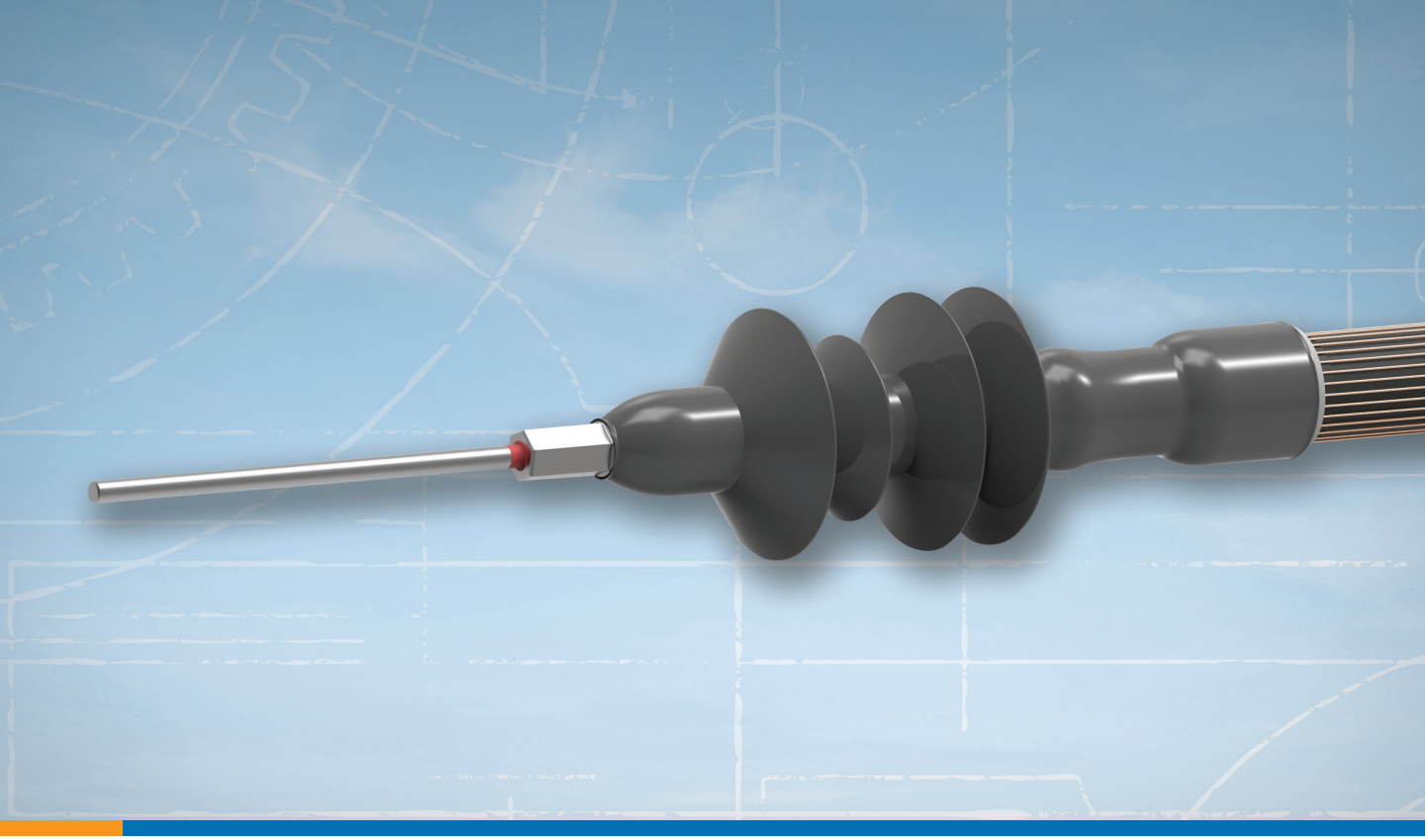


# COMPRESSION PIN TERMINALS

## COMPRESSION CONNECTORS FOR POWER TERMINATIONS

### KEY FEATURES

- Enable transition between aluminum and copper
- Easy to install using industry standard tools and dies
- Tin Plated for protection against corrosion
- Prefilled with oxide inhibitor and capped at factory
- Cold and heat shrink terminations
- Metal sealant protects at Al-Cu transition

TE Connectivity's (TE) Compression Pin Terminal Connectors are ideal for secondary distribution and overhead applications up to 35 kV. These connectors are tin plated, which makes them suitable for transition between aluminum and copper.

Aluminum compression pin connectors are available to accommodate a range of cable sizes from #2 AWG solid to 4/0 AWG concentric stranded. Used for terminating solid, compact, compressed, and concentric stranded AAC as well as ACSR conductors. Connectors are tested to ANSI Standard C119.4. Refer to the Instruction Sheet 408-32202 for proper installation method.

Compression of the terminal barrel creates a highly reliable connection between the conductor and the pin terminal resulting in excellent conductivity and low temperature performance during operation.

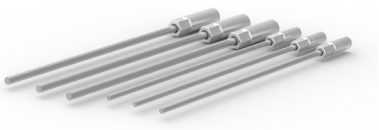
The pin connector barrel is factory-filled with an insulation compatible oxide inhibitor compound to ensure long reliable performance for the complete crimp joint.

# COMPRESSION PIN TERMINAL

| Features | Advantages | Benefits |
|---|---|---|
| Compatible with industry standard tools and dies | No need for proprietary dies | Eliminates investment in additional tooling |
| Pin is made from annealed copper rod (tin-plated) | Easy to bend and shorten | Facilitates dressing of cables into equipment terminals |
| Scribe line on body | Allows for easy identification of proper strip length in field | Determine the starting point of the first crimp |
| Compatible with Raychem cold and heat shrink terminations | Compression pin connectors and cold and heat shrink terminations can be purchased as kit | Provides complete connector and cable accessory solution in one box |
| Marking | Calls out wire range and die type | Minimizes potential for application error |

## SELECTION INFORMATION

| Connector | | | | | | | Cable | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Catalog Number (Part Number) | Pin Length mm (in.) | Total length mm (in.) | Barrel OD mm (in.) | Pin Diameter mm (in.) | Die Index | Number of Crimps | AAC | ACSR | Conductor Diameter Range mm (in.) | Strip length mm (in.) |
| SCP-2-2.5 (1-2182448-9) | 64 (2.5) | 132 (5.2) | 16.5 (0.64) | 6.5 (0.257) | 243 BG 5/8 | 1 | #2 STR- SOL #1 SOL | - | 6.8 to 7.3 (0.27 to 0.29) | 30 (1.12) |
| SCP-2-6 (1-2182448-3) | 152 (6) | 221 (8.7) | | | | | | | | |
| SCP-2-9 (2182448-7) | 229 (9) | 297 (11.7) | | | | | | | | |
| SCP-2-12 (2182448-1) | 305 (12) | 373 (14.7) | | | | | | | | |
| SCP-1-2.5 (2-2182448-0) | 64 (2.5) | 132 (5.2) | 16.5 (0.64) | 6.5 (0.257) | 243 BG 5/8 | 1 | #1 STR - CPT 1/0 CPT - SOL | #2 (6/1) #2 (7/1) | 8.0 to 8.5 (0.32 to 0.34) | 30 (1.12) |
| SCP-1-6 (1-2182448-4) | 152 (6) | 221 (8.7) | | | | | | | | |
| SCP-1-9 (2182448-8) | 229 (9) | 297 (11.7) | | | | | | | | |
| SCP-1-12 (2182448-2) | 305 (12) | 373 (14.7) | | | | | | | | |
| SCP-10-2.5 (2-2182448-1) | 64 (2.5) | 132 (5.2) | 16.5 (0.64) | 6.5 (0.257) | 243 BG 5/8 | 1 | 1/0 STR - CMPR, 2/0 CPT - SOL | #1 (6/1) | 9.1 to 9.6 (0.36 to 0.38) | 30 (1.12) |
| SCP-10-6 (1-2182448-5) | 152 (6) | 221 (8.7) | | | | | | | | |
| SCP-10-9 (2182448-9) | 229 (9) | 297 (11.7) | | | | | | | | |
| SCP-10-12 (2182448-3) | 305 (12) | 373 (14.7) | | | | | | | | |
| SCP-20-6 (1-2182448-6) | 152 (6) | 244 (9.6) | 23 (0.91) | 9.3 (0.365) | 249 WK840 | 2 | 2/0 STR - CMPR, 3/0 CPT - SOL | 1/0 (6/1) | 10.1 to 10.7 (0.40 to 0.42) | 55 (2.06) |
| SCP-20-9 (1-2182448-0) | 229 (9) | 320 (12.6) | | | | | | | | |
| SCP-20-12 (2182448-4) | 305 (12) | 396 (15.6) | | | | | | | | |
| SCP-30-6 (1-2182448-7) | 152 (6) | 244 (9.6) | 23 (0.91) | 9.3 (0.365) | 249 WK840 | 2 | 3/0 STR - CMPR 4/0 CPT - SOL | 2/0 (6/1) | 11.4 to 12.1 (0.45 to 0.48) | 55 (2.06) |
| SCP-30-9 (1-2182448-1) | 229 (9) | 320 (12.6) | | | | | | | | |
| SCP-30-12 (2182448-5) | 305 (12) | 396 (15.6) | | | | | | | | |
| SCP-40-6 (1-2182448-8) | 152 (6) | 244 (9.6) | 23 (0.91) | 9.3 (0.365) | 249 WK840 | 2 | 4/0 STR - CMPR | 3/0 (6/1) | 12.8 to 13.0 (0.50 to 0.53) | 55 (2.06) |
| SCP-40-9 (1-2182448-2) | 229 (9) | 320 (12.6) | | | | | | | | |
| SCP-40-12 (2182448-6) | 305 (12) | 396 (15.6) | | | | | | | | |



**Technical Documents:**
Instruction Sheet: 408-32202
Engineering Test Report: 502-47464 (I)

**Tested to:** ANSI C119.4

**FOR MORE INFORMATION: TE Technical Support Centers**

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