

Compression Connectors for Copper Conductor

Constant O.D. enables faster, easier installation than contoured design.

Cast-Copper Reducing Splices



Thomas & Betts takes the splicing of different-sized conductors to a new level of economy and efficiency with Cast-Copper Reducing Splices. In addition to a lower cost, the key benefit to these splices is in their constant outer diameter. Unlike screw-machined, externally contoured splices, Cast-Copper Reducing Splices require no change of tool or die between crimping each end. Just slide each wire easily into the chamfered barrel, and use the same Color-Keyed tool and die to crimp both ends. The consistent O.D. also makes these splices faster and easier to insulate with clear heat-shrink wrap than a contoured splice. Sand-cast construction ensures high tensile strength for heavy-duty applications, and tin-plated copper material provides high conductivity and superior corrosion resistance.

- Ideal for telecom (inside office/outside plant), commercial, industrial MRO and any other 600V–35kV applications requiring splicing of different-sized conductors
- Tin-plated, sand-cast copper construction provides superior tensile strength, high conductivity, and excellent corrosion resistance
- Easier to install and insulate than screw-machined, contour-designed reducing splices
- Constant O.D. saves time on installation by eliminating the need for crimp tool/die change
- Fast and simple to insulate with clear or colored heat-shrink wrap
- Chamfered barrel facilitates easy wire insertion
- Compact, low-profile design takes up minimal space in cable tray or wire run
- Simple installation with Blackburn® compression tools (see pp. F-80–F-100) and dies (see pp. F-101–F-104)



| CAT. NO. | COND. 1 SIZE | COND. 2 SIZE | DIM. A | DIM. E | DIE CODE | DIE COLOR |
|----------------|----------------|----------------|--------|--------|----------|-----------|
| 251-30485-19 | 4/0 Str. | #2 Str. | 2¼" | 1¼" | 66 | WHITE |
| 251-30485-91 | 500 kcmil Str. | 300 kcmil Str. | 3¾" | 1¼" | 99 | PINK |
| 251-30485-229 | 2/0 Str. | 250 kcmil Str. | 2⅝" | 1¼" | 76 | BLUE |
| 251-30485-247 | #2 Str. | #8 Str. | 1⅞" | 1½" | 45 | BLACK |
| 251-30485-294 | #4 Str. | 2/0 Str. | 2¼" | 2½" | 66 | WHITE |
| 251-30485-295 | 4/0 Str. | #4 Str. | 2¼" | 1¼" | 66 | WHITE |
| 251-30485-331 | 4/0 Str. | 350 kcmil Str. | 3¾" | 1½" | 99 | PINK |
| 251-30485-445 | 4/0 Str. | 2/0 Str. | 2¼" | 1¼" | 66 | WHITE |
| 251-30485-495 | 1/0 Str. | #2 Str. | 1¾" | 1½" | 45 | BLACK |
| 251-30485-610 | #6 Str. | #8 Str. | 1½" | ¾" | 29 | GRAY |
| 251-30485-611 | #4 Str. | #8 Str. | 1½" | ¾" | 29 | GRAY |
| 251-30485-612 | #4 Str. | #6 Str. | 1½" | ¾" | 29 | GRAY |
| 251-30485-613 | #2 Str. | #6 Str. | 1¾" | 1½" | 45 | BLACK |
| 251-30485-640 | 4/0 Str. | 1/0 Str. | 2¼" | 1¼" | 66 | WHITE |
| 251-30485-653 | #2 Str. | 250 kcmil Str. | 2⅝" | 1¼" | 76 | BLUE |
| 251-30485-739 | 1/0 Str. | 250 kcmil Str. | 2⅝" | 1¼" | 76 | BLUE |
| 251-30485-882 | 400 kcmil Str. | 350 kcmil Str. | 3¾" | 1½" | 99 | PINK |
| 251-30485-950 | 1/0 Str. | #6 Str. | 1¾" | 1½" | 45 | BLACK |
| 251-30485-951 | #6 Str. | 2/0 Str. | 2¼" | 2½" | 66 | WHITE |
| 251-30485-1027 | 1/0 Str. | #4 Str. | 1¾" | 1½" | 45 | BLACK |
| 251-30485-1029 | 1/0 Str. | #12 Str. | 1¾" | 3¼" | 45 | BLACK |
| 251-30485-1030 | 10 Str. | #4 Str. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1031 | 12 Str. | #4 Str. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1032 | #6 Str. | #10 Str. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1033 | #12 Str. | #6 Str. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1034 | #14 Str. | #8 Str. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1035 | #1 Str. | 1/0 Str. | 1¾" | 1½" | 45 | BLACK |
| 251-30485-1044 | #10 Str. | #8 Str. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1045 | #12 Str. | #8 Str. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1085 | #10 Str. | 1/0 Str. | 1¾" | 1½" | 45 | BLACK |
| 251-30485-1086 | #10 Str. | 2/0 Str. | 2¼" | 2½" | 66 | WHITE |
| 251-30485-1087 | #4 Str. | 250 kcmil Str. | 2⅝" | 1¼" | 76 | BLUE |
| 251-30485-1088 | 400 kcmil Str. | 250 kcmil Str. | 3¾" | 1½" | 99 | PINK |
| 251-30485-1089 | #14 Str. | #8 Sol. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1090 | #12 Str. | #8 Sol. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1091 | #10 Str. | #8 Sol. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1092 | #12 Str. | #6 Sol. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1093 | #8 Str. | #6 Sol. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1094 | #4 Str. | #6 Sol. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1095 | #2 Str. | #6 Sol. | 1¾" | 1½" | 45 | BLACK |
| 251-30485-1096 | #12 Str. | #4 Sol. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1097 | #10 Str. | #4 Sol. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1098 | #8 Str. | #4 Sol. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1099 | #6 Str. | #4 Sol. | 1½" | ¾" | 29 | GRAY |
| 251-30485-1100 | 1/0 Str. | #4 Sol. | 1¾" | 1½" | 45 | BLACK |
| 251-30485-1130 | Cast Solid* | #12–#4 Str. | 1½" | ¾" | 29 | 1 |
| 251-30485-1245 | 1/0 Flex | #4 Flex | 2¼" | 1¼" | 66 | WHITE |
| 251-30485-1246 | #4 Flex | #8 Flex | 1¾" | 3¼" | 45 | BLACK |

*Cast Solid — Field Modifiable Special