

## Copper, Two Hole, Standard Barrel Compression Lug, Slotted Tang

### Features

- Manufactured from high strength seamless copper tubing
- Chamfered entry
- Color coded die index and crimp marks
- Electro-Tin plated for corrosion resistance
- Inspection window to ensure full cable insertion
- UL486A/B Listed for Wire Connectors
- UL467 Listed for grounding and bonding applications
- UL Listed and CSA Certified with competitor's compression tools
- Listed for use with class B & C, flex class G, H, I, K, M & DLO cable

### Standard Material

- Copper

### Standard Finish

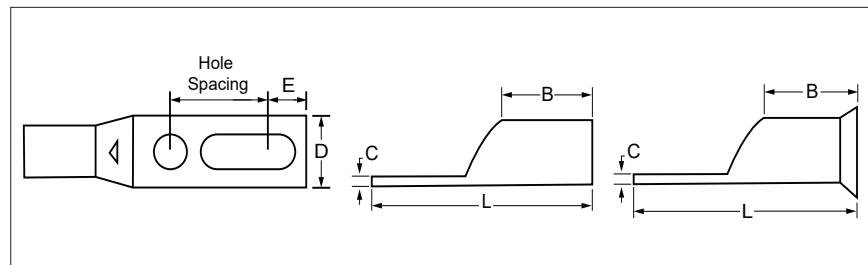
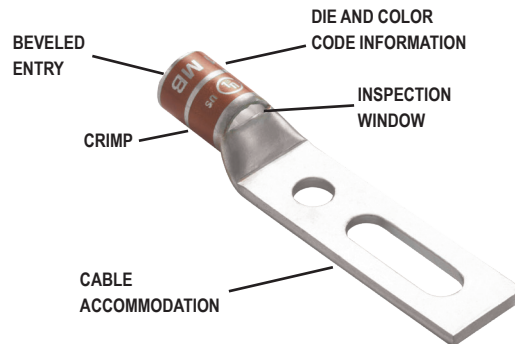
- Electro-tin plated

### Electrical Rating

- Voltage Rating: 600 V
- Maximum Circuit Rating: 35 kV
- Temperature Rating: 90°C

### We Supply

- Prefix 'F' for flared entry (eg. FXXXXX)



## For Use With Copper Conductor Only

| Catalog ID | Wire Size | Alt Wire Size  | Range Taking | Stud Size | Stud Hole Dia. | Hole Spacing | Dimensions In Inches |      |      |      |      | Color Code | • Installation Tooling                          |                                    |          | Dieless                                                                           |
|------------|-----------|----------------|--------------|-----------|----------------|--------------|----------------------|------|------|------|------|------------|-------------------------------------------------|------------------------------------|----------|-----------------------------------------------------------------------------------|
|            |           |                |              |           |                |              | L                    | B    | C    | D    | E    |            | Burndy Model - Y35, Y39, Y750, PAT750, PAT750LI | Ilco ILC-12-N, ILC-12-H-N, ILCB-12 |          |                                                                                   |
| ST98044    | 8         | #8 FLEX, 8 DLO | 8-10         | #10       | 0.20           | 5/8          | 1.82                 | 0.44 | 0.08 | 0.42 | 0.28 | RED        | U8CRT                                           | ILD - 2                            | ILD - 21 | Burndy Dieless - PAT444S & PAT4PC-834LI.                                          |
| ST98044A   |           |                |              | 1/4       | 0.27           | 5/8          | 1.82                 | 0.44 | 0.08 | 0.42 | 0.28 |            |                                                 |                                    |          |                                                                                   |
| ST98044B   |           |                |              | 3/8       | 0.41           | 1            | 2.37                 | 0.44 | 0.05 | 0.56 | 0.41 |            |                                                 |                                    |          |                                                                                   |
| ST98045    | 6         | #6 FLEX, 6 DLO | 6-8          | 1/4       | 0.27           | 5/8          | 2.09                 | 0.71 | 0.08 | 0.42 | 0.28 | BLUE       | U5CRT<br>U8CABT                                 | ILD - 3                            | ILD - 24 | Ilco Dieless - IDT-6, IDT-6H, IDTB-6, IDTB-6-LI-O, TB-6DF1000-P, IDT-12-N, IVTB-6 |
| ST98045A   |           |                |              | 1/4       | 0.27           | 1            | 2.64                 | 0.71 | 0.08 | 0.42 | 0.28 |            |                                                 |                                    |          |                                                                                   |
| ST98045B   |           |                |              | 3/8       | 0.41           | 1            | 2.64                 | 0.71 | 0.06 | 0.57 | 0.38 |            |                                                 |                                    |          |                                                                                   |
| ST98045C   | 4         | -              | 4-6          | #10       | 0.20           | 3/4          | 2.20                 | 0.71 | 0.08 | 0.42 | 0.28 | GRAY       | U4CRT<br>U6CABT                                 | ILD - 4                            | ILD - 29 | Greenlee & NSI Dieless - HK12ID, EK12IDL, N12ID                                   |
| ST98046    |           |                |              | 1/4       | 0.27           | 5/8          | 2.09                 | 0.71 | 0.09 | 0.49 | 0.28 |            |                                                 |                                    |          |                                                                                   |
| ST98046A   |           |                |              | 1/4       | 0.27           | 1            | 2.68                 | 0.75 | 0.09 | 0.49 | 0.28 |            |                                                 |                                    |          |                                                                                   |
| ST98046B   | 3         | #4 FLEX, 4 DLO | 3-6          | 3/8       | 0.41           | 1            | 2.68                 | 0.75 | 0.07 | 0.57 | 0.38 | WHITE      | U2CRT                                           | -                                  | ILD - 29 |                                                                                   |
| ST98046C   |           |                |              | 5/16      | 0.33           | 1            | 2.68                 | 0.75 | 0.09 | 0.55 | 0.38 |            |                                                 |                                    |          |                                                                                   |
| ST98046D   |           |                |              | 1/4       | 0.27           | 5/8          | 2.24                 | 0.83 | 0.09 | 0.55 | 0.28 |            |                                                 |                                    |          |                                                                                   |
| ST98046E   | 2         | #4 FLEX, 4 DLO | 2-6          | 1/4       | 0.27           | 1            | 2.80                 | 0.83 | 0.09 | 0.50 | 0.28 | BROWN      | U2CRT                                           | ILD - 7                            | ILD - 33 |                                                                                   |
| ST98046F   |           |                |              | 3/8       | 0.41           | 1            | 2.80                 | 0.83 | 0.08 | 0.59 | 0.38 |            |                                                 |                                    |          |                                                                                   |
| ST98046G   |           |                |              | 5/16      | 0.33           | 3/4          | 2.60                 | 0.83 | 0.09 | 0.55 | 0.32 |            |                                                 |                                    |          |                                                                                   |
| ST98047    | 1         | #2 FLEX, 2 DLO | 1-6          | 5/16      | 0.33           | 3/4          | 2.60                 | 0.83 | 0.10 | 0.60 | 0.32 | GREEN      | U1CRT<br>U4CABT                                 | ILD - 7                            | ILD - 37 |                                                                                   |
| ST98047A   |           |                |              | 1/4       | 0.27           | 5/8          | 2.24                 | 0.83 | 0.10 | 0.60 | 0.28 |            |                                                 |                                    |          |                                                                                   |
| ST98047B   |           |                |              | 3/8       | 0.41           | 1            | 2.80                 | 0.83 | 0.10 | 0.60 | 0.38 |            |                                                 |                                    |          |                                                                                   |
| ST98047C   | 1         | #2 FLEX, 2 DLO | 1-6          | 1/4       | 0.27           | 3/4          | 2.36                 | 0.83 | 0.10 | 0.60 | 0.28 |            |                                                 |                                    |          |                                                                                   |
| ST98047D   |           |                |              | 1/4       | 0.27           | 1            | 2.80                 | 0.83 | 0.10 | 0.60 | 0.28 |            |                                                 |                                    |          |                                                                                   |
| ST98047E   |           |                |              | 1/2       | 0.53           | 1-3/4        | 3.98                 | 0.83 | 0.10 | 0.60 | 0.62 |            |                                                 |                                    |          |                                                                                   |
| ST98048    | 1         | #2 FLEX, 2 DLO | 1-6          | 1/4       | 0.27           | 5/8          | 2.28                 | 0.83 | 0.11 | 0.67 | 0.28 |            |                                                 |                                    |          |                                                                                   |
| ST98048A   |           |                |              | 5/16      | 0.33           | 1            | 2.83                 | 0.83 | 0.11 | 0.67 | 0.38 |            |                                                 |                                    |          |                                                                                   |
| ST98048B   |           |                |              | 3/8       | 0.41           | 1            | 2.83                 | 0.83 | 0.11 | 0.67 | 0.38 |            |                                                 |                                    |          |                                                                                   |

## Copper, Two Hole, Standard Barrel Compression Lug, Slotted Tang

| Catalog ID | Wire Size | Alt Wire Size                 | Range Taking | Stud Size | Stud Hole Dia. | Hole Spacing | Dimensions In Inches |      |      |      |      | Color Code | • Installation Tooling                          |                                    | Dieless |                                                                                                                                                                                          |
|------------|-----------|-------------------------------|--------------|-----------|----------------|--------------|----------------------|------|------|------|------|------------|-------------------------------------------------|------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |           |                               |              |           |                |              | L                    | B    | C    | D    | E    |            | Burndy Model - Y35, Y39, Y750, PAT750, PAT750LI | Ilco ILC-12-N, ILC-12-H-N, ILCB-12 |         |                                                                                                                                                                                          |
| ST98049    | 1/0       | #1 FLEX, 1 DLO                | 1/0-6        | 5/16      | 0.33           | 7/8          | 2.64                 | 0.83 | 0.13 | 0.74 | 0.32 | PINK       | U25RT<br>U2CART                                 | ILD - 8                            | ILD-42  | Burndy Dieless - PAT444S & PAT4PC-834LI.<br><br>Ilco Dieless - IDT-6, IDT-6H, IDTB-6, IDTB-6-LI-O, TB-6DF1000-P, IDT-12-N, IVTB-6<br><br>Greenlee & NSI Dieless - HK12ID, EK12IDL, N12ID |
| ST98049A   |           |                               |              | 1/4       | 0.27           | 3/4          | 2.40                 | 0.83 | 0.13 | 0.74 | 0.28 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98050    |           |                               |              | 3/8       | 0.41           | 1            | 2.83                 | 0.83 | 0.13 | 0.74 | 0.38 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98050A   |           |                               |              | 1/2       | 0.53           | 1-3/4        | 4.02                 | 0.83 | 0.13 | 0.74 | 0.32 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98051    | 2/0       | #1/0 FLEX, 1/0 DLO            | 2/0-4        | 3/8       | 0.41           | 1            | 2.99                 | 0.94 | 0.12 | 0.81 | 0.38 | BLACK      | U26RT                                           | ILD - 10                           | ILD-45  |                                                                                                                                                                                          |
| ST98051A   |           |                               |              | 1/4       | 0.27           | 3/4          | 2.56                 | 0.94 | 0.12 | 0.81 | 0.28 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98051B   |           |                               |              | 5/16      | 0.33           | 7/8          | 2.80                 | 0.94 | 0.12 | 0.81 | 0.38 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98052    |           |                               |              | 1/2       | 0.53           | 1-3/4        | 4.17                 | 0.94 | 0.12 | 0.81 | 0.62 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98053    | 3/0       | #2/0 FLEX, 2/0 DLO            | 3/0-2        | 1/2       | 0.53           | 1-3/4        | 4.29                 | 0.98 | 0.13 | 0.90 | 0.62 | ORANGE     | U27RT                                           | ILD - 10                           | ILD-50  |                                                                                                                                                                                          |
| ST98053A   |           |                               |              | 3/8       | 0.41           | 1            | 3.11                 | 0.98 | 0.13 | 0.90 | 0.38 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98053B   |           |                               |              | 5/16      | 0.33           | 1            | 3.11                 | 0.98 | 0.13 | 0.90 | 0.38 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98054    |           |                               |              | 1/2       | 0.53           | 1-3/4        | 4.29                 | 0.98 | 0.13 | 1.00 | 0.62 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98055    | 4/0       | #3/0 FLEX, 3/0 DLO            | 4/0-1        | 3/8       | 0.41           | 1            | 3.11                 | 0.98 | 0.13 | 1.00 | 0.38 | PURPLE     | U28RT                                           | ILD - 12                           | ILD-54  |                                                                                                                                                                                          |
| ST98055B   |           |                               |              | 1/4       | 0.27           | 5/8          | 2.56                 | 0.98 | 0.13 | 1.00 | 0.28 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98055A   |           |                               |              | 5/16      | 0.33           | 1            | 3.11                 | 0.98 | 0.13 | 1.00 | 0.38 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98056    |           |                               |              | 1/2       | 0.53           | 1-3/4        | 4.41                 | 1.06 | 0.15 | 1.09 | 0.62 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98056A   | 250       | #4/0 FLEX, 4/0 DLO            | 250-1/0      | 3/8       | 0.41           | 1            | 3.23                 | 1.06 | 0.15 | 1.09 | 0.38 | YELLOW     | U29RT                                           | ILD - 13                           | ILD-62  |                                                                                                                                                                                          |
| ST98056B   |           |                               |              | 3/8       | 0.41           | 1-3/4        | 3.23                 | 1.06 | 0.15 | 1.09 | 0.62 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98057    | 300       | 250 G,H,FLEX                  | 300-2/0      | 1/2       | 0.53           | 1-3/4        | 4.41                 | 1.06 | 0.15 | 1.19 | 0.62 | WHITE      | U30RT<br>U28ART                                 | ILD - 14                           | ILD-66  |                                                                                                                                                                                          |
| ST98058    | 350       | 250 G,H,I,K,M,FLEX<br>262 DLO | 350-3/0      | 1/2       | 0.53           | 1-3/4        | 4.53                 | 1.10 | 0.17 | 1.28 | 0.62 | RED        | -                                               | ILD - 14                           | ILD-71  |                                                                                                                                                                                          |
| ST98058A   |           |                               |              | 3/8       | 0.41           | 1            | 3.35                 | 1.10 | 0.17 | 1.28 | 0.38 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98059    | 400       | 300 G,H,I,K,M,FLEX<br>313 DLO | 400-4/0      | 1/2       | 0.53           | 1-3/4        | 4.69                 | 1.18 | 0.18 | 1.39 | 0.62 | BLUE       | U32RT<br>U30ART                                 | ILD - 16                           | ILD-76  |                                                                                                                                                                                          |
| ST98060    | 500       | 350 G,H,I,K,M,FLEX<br>373 DLO | 500-250      | 1/2       | 0.53           | 1-3/4        | 4.88                 | 1.38 | 0.22 | 1.54 | 0.62 | BROWN      | U34RT<br>U32ART                                 | ILD - 16A                          | ILD-87  |                                                                                                                                                                                          |
| ST98060A   |           |                               |              | 3/8       | 0.41           | 1            | 3.70                 | 1.38 | 0.22 | 1.54 | 0.38 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98061    | 600       | 400 G,H,I,K,M,FLEX<br>444 DLO | 600-250      | 3/8       | 0.41           | 1-3/4        | 5.04                 | 1.50 | 0.25 | 1.72 | 0.62 | GREEN      | U36RT<br>U32ART                                 | ILD - 17                           | ILD-94  |                                                                                                                                                                                          |
| ST98062    |           |                               |              | 1/2       | 0.53           | 1-3/4        | 5.04                 | 1.50 | 0.25 | 1.72 | 0.62 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98062A   | 700       | 500 G,H,I,K,M,FLEX<br>535 DLO | 700-250      | 5/8       | 0.33           | 1-3/4        | 5.51                 | 1.85 | 0.27 | 1.78 | 0.62 | PINK       | U38RT<br>U38XRT                                 | -                                  | -       |                                                                                                                                                                                          |
| ST98062B   |           |                               |              | 1/2       | 0.53           | 1-3/4        | 5.51                 | 1.85 | 0.27 | 1.78 | 0.62 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98063    | 750       | 600 G,H,I,M,FLEX<br>646 DLO   | 750-500      | 1/2       | 0.53           | 1-3/4        | 5.51                 | 1.85 | 0.27 | 1.90 | 0.62 | BLACK      | U39RT                                           | ILD - 18                           | ILD-106 |                                                                                                                                                                                          |
| ST98063A   |           |                               |              | 5/8       | 0.33           | 1-3/4        | 5.51                 | 1.85 | 0.27 | 1.90 | 0.62 |            |                                                 |                                    |         |                                                                                                                                                                                          |
| ST98063B   | 1000      | 750 G,H,I,FLEX<br>777 DLO     | 1000-750     | 1/2       | 0.53           | 1-3/4        | 5.57                 | 1.91 | 0.32 | 2.19 | 0.62 | WHITE      | U44XRT                                          | -                                  | -       |                                                                                                                                                                                          |
| ST98063C   |           |                               |              | 5/8       | 0.33           | 1-3/4        | 5.57                 | 1.91 | 0.32 | 2.19 | 0.62 |            |                                                 |                                    |         |                                                                                                                                                                                          |

## Crimping Instructions

- Select the proper lug or splice connector for the size of cable being installed, ensuring that the size matches the description in the table.
- Strip the insulation from the cable to a length so that the stripped area of the cable can be completely inserted into and fill the barrel of the lug or splice. Carefully strip the insulation from the cable without nicking the strands.
- Clean the stripped portion of the cable to remove oxide films.
- The stripped portion of the cable must be clean and inserted completely into the connector barrel.
- Using the tool and die combination specified for that connector in the table above, install crimps, leaving a space of 1/8 inch minimum between successive crimps.

For Short Barrel Connectors, apply 1 crimp,  
For Long Barrel Connectors, apply 2 crimps on the color coded bands

**NOTE:** All Dimensions shows are for reference only.

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)