

## INSTALLATION INSTRUCTIONS

for Aluminum Compression  
Lugs and Splices Type ATL and ASP

For Stranded, Compressed, Compact Aluminum and Copper Conductors

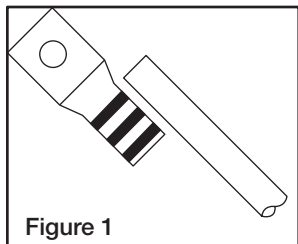
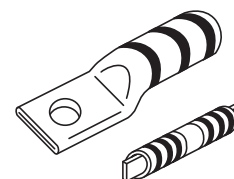


Figure 1

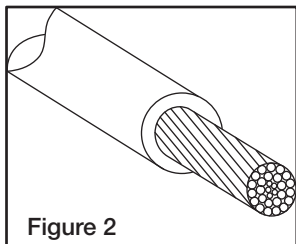


Figure 2

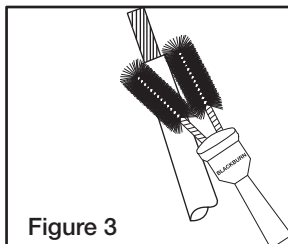


Figure 3

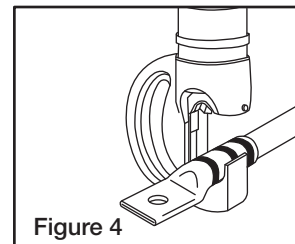


Figure 4



### INSTALLATION:

1. Check the wire size marked on the aluminum connector to make sure it's the correct connector for the actual cable size which will be used (Figure 1).
2. Strip cable insulation avoiding damage to the conductor's strands (Figure 2).
3. Wire brush (Reference T&B catalog number WWB1) the conductor side which will be inserted into the connector (Figure 3).

4. Fully insert conductor into connector (Figure 4).
5. Refer to the Tool and Die Index. Select one of the tool/die combinations listed for the cable size; crimp the connector the number of times shown on the chart for tool/die combination. (**NOTE:** on splices, make first crimp just outside the knurl on each side of the center and space crimps uniformly along the splice. On lugs, make first crimp at the inner end of barrel and space crimps uniformly along the barrel.)
6. Wipe off any excess of oxide inhibitor.

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### TOOL & DIE INDEX

| TOOL & DIE INDEX                     |                      |                  |                    |            |                    |                               |                    |              |                    |                         |                    |                      |                    |            |                    |           |                    |                                                                                                                     |                |      |
|--------------------------------------|----------------------|------------------|--------------------|------------|--------------------|-------------------------------|--------------------|--------------|--------------------|-------------------------|--------------------|----------------------|--------------------|------------|--------------------|-----------|--------------------|---------------------------------------------------------------------------------------------------------------------|----------------|------|
| AL or CU<br>Stranded<br>Wire<br>Size | Die<br>Color<br>Code | BlackBurn® Tools |                    |            |                    |                               |                    | Burdny Tools |                    |                         |                    | Thomas & Betts Tools |                    |            |                    |           |                    | BLACKBURN®<br>CONNECTORS HAVE<br>EXPANDED CONDUCTOR<br>RANGE WHEN INSTALLED<br>WITH THE FOLLOWING<br>TOOLS          |                |      |
|                                      |                      | Mechanical       | Crimps<br>Required | Mechanical | Crimps<br>Required | Hydraulic                     | Crimps<br>Required | Mechanical   | Crimps<br>Required | Hydraulic               | Crimps<br>Required | Mechanical           | Crimps<br>Required | Mechanical | Crimps<br>Required | Hydraulic | Crimps<br>Required |                                                                                                                     |                |      |
|                                      |                      | OD58*            |                    | NRG 2508   |                    | JB12A,B<br>HCT7508<br>HCT1239 |                    | MY29-3       |                    | Y35<br>Y39              |                    | TBM5S                |                    | TBM8S      |                    | TBM15     |                    |                                                                                                                     |                |      |
| 8                                    | Blue                 | 1/4              | 2                  | **         | 1                  | —                             | —                  | **           | 1                  | U8CABT                  | 1                  | 13454                | 1                  | 13461      | 1                  | 24        | 1                  | <b>NOTE:</b> Use maximum conductor for<br>connector selection.<br>Blackburn® VP6FT —<br>Anderson VC6†, VC6FT VC8C†† |                |      |
| 6                                    | Gray                 | 5/16             | 3 <sup>(4)</sup>   | **         | 1                  | B74CH                         | 1                  | **           | 1                  | U6CABT                  | 2 <sup>(4)</sup>   | 13454                | 2 <sup>(4)</sup>   | 13461      | 2 <sup>(4)</sup>   | 29        | 2 <sup>(4)</sup>   |                                                                                                                     |                |      |
| 4                                    | Green                | P                | 3                  | **         | 2                  | B05CH                         | 1                  | **           | 2                  | U4CABT                  | 1                  | 13455                | 2 <sup>(4)</sup>   | 13462      | 2 <sup>(4)</sup>   | 37        | 2 <sup>(4)</sup>   | AL or CU<br>Wire Range                                                                                              | Crimps Per End |      |
| 2                                    | Pink                 | 1/2              | 4                  | **         | 2                  | B06CHI                        | 2 <sup>(4)</sup>   | **           | 2                  | U2CABT                  | 1                  | 13455                | 2 <sup>(4)</sup>   | 13462      | 2 <sup>(4)</sup>   | 45H       | 2                  | 6-2                                                                                                                 | 2              | —    |
| 1                                    | Gold                 | 1/2-1            | 4                  | **         | 2                  | B06CHI                        | 2                  | **           | 2                  | U1CART                  | 2 <sup>(4)</sup>   | 13457                | 3 <sup>(4)</sup>   | 13464      | 3 <sup>(4)</sup>   | 45        | 2 <sup>(4)</sup>   | 4-1                                                                                                                 | 2              | —    |
| 1/0                                  | Tan                  | 9/16             | 4                  | **         | 2                  | B08CH                         | 2 <sup>(4)</sup>   | **           | 2                  | U25ART                  | 1                  | 13457                | 3 <sup>(4)</sup>   | 13464      | 3 <sup>(4)</sup>   | 50        | 2 <sup>(4)</sup>   | 6-1/0                                                                                                               | 2              | —    |
| 2/0                                  | Olive                | 5/8-1            | 5 <sup>(4)</sup>   | **         | 2                  | B09CH                         | 2 <sup>(4)</sup>   | **           | 2                  | U26ART                  | 2                  | 13457                | 3 <sup>(4)</sup>   | 13464      | 3 <sup>(4)</sup>   | 54H       | 3                  | 4-2/0                                                                                                               | 2              | —    |
| 3/0                                  | Ruby                 | 688              | 5                  | **         | 2                  | B26CH                         | 2 <sup>(4)</sup>   | **           | 2                  | U27ART                  | 2                  | 13457                | 3                  | 13464      | 3                  | 60        | 2 <sup>(4)</sup>   | 4-3/0                                                                                                               | 2              | —    |
| 4/0                                  | White                | 781              | 6                  | **         | 2                  | B10CHI                        | 3 <sup>(4)</sup>   | **           | 2                  | U28ART                  | 3 <sup>(4)</sup>   | 13473                | 7                  | 13465      | 7                  | 66        | 3 <sup>(4)</sup>   | 2-4/0                                                                                                               | 2              | —    |
| 250                                  | Red                  | 840              | 6                  | —          | —                  | B11CH                         | 3                  | —            | —                  | U29ART                  | 3 <sup>(4)</sup>   | —                    | —                  | 13466      | 7                  | 71H       | 4                  | 1/0-250†                                                                                                            | 21             | —    |
| 300                                  | Blue                 | —                | —                  | —          | —                  | B11CH                         | 3                  | —            | —                  | U30ART                  | 3 <sup>(4)</sup>   | —                    | —                  | —          | —                  | 76        | 2                  | 1/0-300†                                                                                                            | 2              | —    |
| 350                                  | Brown                | —                | —                  | —          | —                  | B12CHI                        | 4                  | —            | —                  | U31ART                  | 3                  | —                    | —                  | 13466      | 7                  | 87H       | 5                  | 2/0-350†                                                                                                            | 2              | —    |
| 400                                  | Green                | —                | —                  | —          | —                  | B36CH                         | 6                  | —            | —                  | U32ART                  | 6                  | —                    | —                  | —          | —                  | 94        | 2                  | 3/0-400†                                                                                                            | 2              | —    |
| 500                                  | Pink                 | —                | —                  | —          | —                  | B76CH                         | 4 <sup>(4)</sup>   | —            | —                  | U34ART                  | 6 <sup>(4)</sup>   | —                    | —                  | —          | —                  | 99H       | 5                  | 4/0-500†                                                                                                            | 2              | —    |
| 600                                  | Black                | —                | —                  | —          | —                  | 6039RT <sup>(1)</sup>         | 2 <sup>(4)</sup>   | —            | —                  | U36ART                  | 5                  | —                    | —                  | —          | —                  | 106       | 2                  | 350-600 AL<br>350-500 CU                                                                                            | 3††            | —    |
| 750                                  | —                    | —                | —                  | —          | —                  | 6024AH <sup>(1)</sup>         | 1                  | —            | —                  | U39ART-2 <sup>(2)</sup> | 3 <sup>(4)</sup>   | —                    | —                  | —          | —                  | 115H      | 5                  | 500-750 AL<br>500 CU                                                                                                | —              | 2††† |
| 1000                                 | —                    | —                | —                  | —          | —                  | 6030AH <sup>(1)</sup>         | 2                  | —            | —                  | P44ART <sup>(2)</sup>   | 2                  | —                    | —                  | —          | —                  | 150H      | 5                  | 750-1000 AL                                                                                                         | —              | 2††† |

\*\* Adjustable indent tool.  
No insert dies required.

<sup>1</sup> JB60A and JB60B ONLY.

<sup>2</sup> Y46 ONLY.

<sup>3</sup> Y39 ONLY.

<sup>4</sup> Overlap Crimps.

† Users of VC6 tool must strip off an extra 1-5/8" of insulation from one end of cable to permit removal of tool over conductor sizes 250 MCM and larger on ASP connectors.

†† Anderson VC6FT Tool ONLY.

††† When using the VC8C Anderson tool use, AL NIBS (crimping inserts).

## Instrucciones de instalación

Para conectores de compresión de aluminio tipo ATL y ASP  
(Conectores Terminales y de Continuación)



Para conductores Trensado, comprimido y compacto en Aluminio y Cobre

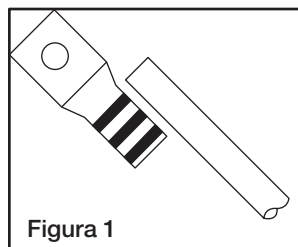


Figura 1

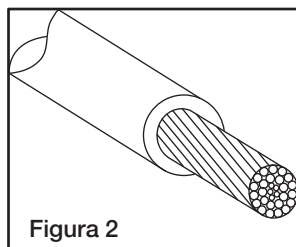


Figura 2

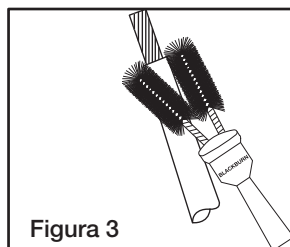


Figura 3

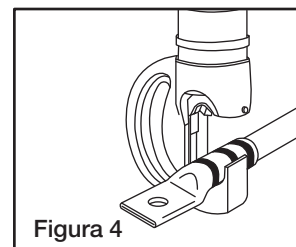


Figura 4



### INSTALACION:

1. Revise la medida del cable marcado en el conector de aluminio para asegurarse que es el conector correcto para el Tamaño de cable a utilizar (Figura 1).
2. Remueve el aislante evitando dañar los alambres del conductor (Figura 2).
3. Cepilla el lado del conductor a ser insertado en el conector con un cepillo de alambre (Como referencia el # de catalogo de T&B es WWB1) (Figura 3).

4. Inserte completamente el conductor dentro del conector (Figura 4).
5. Revise la tabla de herramientas y dados en la parte inferior de esta hoja: Selecciona una de las combinaciones proporcionadas en la lista para la medida del cable; comprime el conector el número de veces mostrado en la tabla para la combinación de herramienta y dado. (NOTA: En los conectores de continuación haga la primera compresión justo a un lado de marcas centrales y separa las siguientes compresiones uniformemente a lo largo del conector. Para los conectores de terminación has la primera compresión al final del barril cerca de la lengua y separa uniformemente el resto de las compresiones a lo largo del barril.)
6. Limpia cualquier exceso de antioxidante.

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### TABLA DE DATOS Y HERRAMIENTAS

| Tamaño de cable en AL o CU | Código de color de dado | Herramienta Blackburn® |                       |          |                       |                               |                       | Herramienta Burndy |                       |                         |                       | Herramienta Thomas & Betts |                       |          |                       |            |                       | Los conectores BLACKBURN® tienen una extensión en el rango del conductor cuando son instalados con las siguientes herramientas             |                                |                       |  |
|----------------------------|-------------------------|------------------------|-----------------------|----------|-----------------------|-------------------------------|-----------------------|--------------------|-----------------------|-------------------------|-----------------------|----------------------------|-----------------------|----------|-----------------------|------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------|--|
|                            |                         | Mecánica               | Compresiones por lado | Mecánica | Compresiones por lado | Hidráulica                    | Compresiones por lado | Mecánica           | Compresiones por lado | Hidráulica              | Compresiones por lado | Mecánica                   | Compresiones por lado | Mecánica | Compresiones por lado | Hidráulica | Compresiones por lado |                                                                                                                                            |                                |                       |  |
|                            |                         |                        |                       |          |                       |                               |                       |                    |                       |                         |                       |                            |                       |          |                       |            |                       |                                                                                                                                            |                                |                       |  |
|                            |                         | OD58*                  |                       | NRG 2508 |                       | JB12A,B<br>HCT7508<br>HCT1239 |                       | MY29-3             |                       | Y35<br>Y39              |                       | TBM5S                      |                       | TBM8S    |                       | TBM15      |                       |                                                                                                                                            |                                |                       |  |
| 8                          | Azul                    | 1/4                    | 2                     | **       | 1                     | —                             | —                     | **                 | 1                     | U8CABT                  | 1                     | 13454                      | 1                     | 13461    | 1                     | 24         | 1                     | <b>NOTA:</b> Utiliza el Máximo conductor para seleccionar el conector.<br><div>Blackburn®VP6FT—</div> <div>AndersonVC6†, VC6FTVC8C††</div> |                                |                       |  |
| 6                          | Gris                    | 5/16                   | 3 <sup>(4)</sup>      | **       | 1                     | B74CH                         | 1                     | **                 | 1                     | U6CABT                  | 2 <sup>(4)</sup>      | 13454                      | 2 <sup>(4)</sup>      | 13461    | 2 <sup>(4)</sup>      | 29         | 2 <sup>(4)</sup>      |                                                                                                                                            | AL o CU<br>Rango del conductor | Compresiones por lado |  |
| 4                          | Verde                   | P                      | 3                     | **       | 2                     | B05CH                         | 1                     | **                 | 2                     | U4CABT                  | 1                     | 13455                      | 2 <sup>(4)</sup>      | 13462    | 2 <sup>(4)</sup>      | 37         | 2 <sup>(4)</sup>      |                                                                                                                                            |                                |                       |  |
| 2                          | Rosa                    | 1/2                    | 4                     | **       | 2                     | B06CHI                        | 2 <sup>(4)</sup>      | **                 | 2                     | U2CABT                  | 1                     | 13455                      | 2 <sup>(4)</sup>      | 13462    | 2 <sup>(4)</sup>      | 45H        | 2                     | 6-2                                                                                                                                        | 2                              | —                     |  |
| 1                          | Dorado                  | 1/2-1                  | 4                     | **       | 2                     | B06CHI                        | 2                     | **                 | 2                     | U1CART                  | 2 <sup>(4)</sup>      | 13457                      | 3 <sup>(4)</sup>      | 13464    | 3 <sup>(4)</sup>      | 45         | 2 <sup>(4)</sup>      | 4-1                                                                                                                                        | 2                              | —                     |  |
| 1/0                        | Canela                  | 9/16                   | 4                     | **       | 2                     | B08CH                         | 2 <sup>(4)</sup>      | **                 | 2                     | U25ART                  | 1                     | 13457                      | 3 <sup>(4)</sup>      | 13464    | 3 <sup>(4)</sup>      | 50         | 2 <sup>(4)</sup>      | 6-1/0                                                                                                                                      | 2                              | —                     |  |
| 2/0                        | Olivo                   | 5/8-1                  | 5 <sup>(4)</sup>      | **       | 2                     | B09CH                         | 2 <sup>(4)</sup>      | **                 | 2                     | U26ART                  | 2                     | 13457                      | 3 <sup>(4)</sup>      | 13464    | 3 <sup>(4)</sup>      | 54H        | 3                     | 4-2/0                                                                                                                                      | 2                              | —                     |  |
| 3/0                        | Ruby                    | 688                    | 5                     | **       | 2                     | B26CH                         | 2 <sup>(4)</sup>      | **                 | 2                     | U27ART                  | 2                     | 13457                      | 3                     | 13464    | 3                     | 60         | 2 <sup>(4)</sup>      | 4-3/0                                                                                                                                      | 2                              | —                     |  |
| 4/0                        | Blanco                  | 781                    | 6                     | **       | 2                     | B10CHI                        | 3 <sup>(4)</sup>      | **                 | 2                     | U28ART                  | 3 <sup>(4)</sup>      | 13473                      | 7                     | 13465    | 7                     | 66         | 3 <sup>(4)</sup>      | 2-4/0                                                                                                                                      | 2                              | —                     |  |
| 250                        | Rojos                   | 840                    | 6                     | —        | —                     | B11CH                         | 3                     | —                  | —                     | U29ART                  | 3 <sup>(4)</sup>      | —                          | —                     | 13466    | 7                     | 71H        | 4                     | 1/0-250†                                                                                                                                   | 21                             | —                     |  |
| 300                        | Azul                    | —                      | —                     | —        | —                     | B11CH                         | 3                     | —                  | —                     | U30ART                  | 3 <sup>(4)</sup>      | —                          | —                     | —        | —                     | 76         | 2                     | 1/0-300†                                                                                                                                   | 2                              | —                     |  |
| 350                        | Cafe                    | —                      | —                     | —        | —                     | B12CHI                        | 4                     | —                  | —                     | U31ART                  | 3                     | —                          | —                     | 13466    | 7                     | 87H        | 5                     | 2/0-350†                                                                                                                                   | 2                              | —                     |  |
| 400                        | Verde                   | —                      | —                     | —        | —                     | B36CH                         | 6                     | —                  | —                     | U32ART                  | 6                     | —                          | —                     | —        | —                     | 94         | 2                     | 3/0-400†                                                                                                                                   | 2                              | —                     |  |
| 500                        | Rosa                    | —                      | —                     | —        | —                     | B76CH                         | 4 <sup>(4)</sup>      | —                  | —                     | U34ART                  | 6 <sup>(4)</sup>      | —                          | —                     | —        | —                     | 99H        | 5                     | 4/0-500†                                                                                                                                   | 2                              | —                     |  |
| 600                        | Negro                   | —                      | —                     | —        | —                     | 6039RT <sup>(1)</sup>         | 2 <sup>(4)</sup>      | —                  | —                     | U36ART                  | 5                     | —                          | —                     | —        | —                     | 106        | 2                     | 350-600 AL<br>350-500 CU                                                                                                                   | 3††                            | —                     |  |
| 750                        | —                       | —                      | —                     | —        | —                     | 6024AH <sup>(1)</sup>         | 1                     | —                  | —                     | U39ART-2 <sup>(2)</sup> | 3 <sup>(4)</sup>      | —                          | —                     | —        | —                     | 115H       | 5                     | 500-750 AL<br>500 CU                                                                                                                       | —                              | 2†††                  |  |
| 1000                       | —                       | —                      | —                     | —        | —                     | 6030AH <sup>(1)</sup>         | 2                     | —                  | —                     | P44ART <sup>(2)</sup>   | 2                     | —                          | —                     | —        | —                     | 150H       | 5                     | 750-1000 AL                                                                                                                                | —                              | 2†††                  |  |

\*\* Herramienta de indentacion ajustable.  
No se requieren dados de inserto.

<sup>1</sup> JB60A y JB60B solamente.

<sup>2</sup> Y46 solamente.

<sup>3</sup> Y39 solamente.

<sup>4</sup> Las compresiones se sobreponen.

† Usuarios del la herramienta VC6 deberan retirar 1-5/8" mas de aislante de uno de los lados del cable para permitir remover la herramienta en todos los conductores iguales o mayores a 250 MCM en conectores ASP.

†† Para la Herramienta Anderson VC6FT solamente.

††† Cuando se utiliza la herramienta Anderson VC8C, untile los insertos de compresion marcados AL.