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**INTRODUCTION**

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**FEATURES**

- Typical applications range in gauge size from #10 AWG to 4/0
- Crimp dies designed to work with industry-standard 22 and 33-ton tools, allowing customers to leverage their existing tooling investment
- 1-hole and 2-hole tongues can be produced at any angle to the barrel or configured as required to meet custom application requirements
- Terminal lug and splice designs are compatible with popular cable specifications, including:
  - BMS13-60
  - BMS13-78
  - ABS0949 (AD)
  - ASNE0438 (YV)
  - MIL-SPEC

**MATERIALS**

<table>
<thead>
<tr>
<th>Connector Body</th>
<th>Tin Plating</th>
<th>Nickel Plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>150 °C</td>
<td>175 °C</td>
</tr>
<tr>
<td>Copper</td>
<td>150 °C</td>
<td>260 °C</td>
</tr>
</tbody>
</table>

Solid nickel connector designs are also available for high-vibration environments such as engine harnesses.

» Learn more: CarlisleIT.com/products/connectors-accessories/terminal-blocks-lugs-splices/
Custom Terminal Lugs & Splices

WEIGHT SAVINGS
CarlisleIT offers aluminum terminal lugs and splices, among other materials. The aluminum version is 65% lighter than copper equivalents.

INSTALLATION EFFICIENCY
Hex Crimp: The CarlisleIT-modified hex crimp produces an environmentally sealed termination with a single crimp operation. The hex crimp eliminates any sharp edges (flashing) and there is no risk of exposing the base metal to corrosion. To achieve this hex-style crimp, CarlisleIT developed a shank-style die set that is used with industry standard hydraulic crimp heads which produce between 22 and 33-tons of compressive force, allowing you to leverage your existing tooling investment.

Crimp Indicators: Crimp indicators are embossed during the crimping operation, providing a visual indication of full wire insertion and proper connector installation.

Fully-formed crimp indicator: “Good” connection

RELIABILITY
CarlisleIT’s environmentally-sealed connectors meet the toughest certification requirements to provide maximum reliability. Certifications include:
» EN 3373-001, Aerospace Series—Terminal Lugs and In-Line Splices for Crimping on Electric Conductors, which specifies series tests that include:
  - 500-hour salt fog with negligible degradation as measured by the millivolt drop test of EN 3373-001
  - 1,500 repeating thermal cycles from 30 °C to 180 °C
  - Four hours of random vibration in each of the three axes with frequencies ranging from 10 – 2,000 Hz, under a current that maintains a 180 °C temperature, as per EN 2591-403 Method B Table 2, Level G
  - Tensile strength, as per EN 2591-102
  - Barrel seal to cable insulation up to 2 atmospheres

Learn more at: CarlisleIT.com/products/connectors-accessories/terminal-blocks-lugs-splices

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