

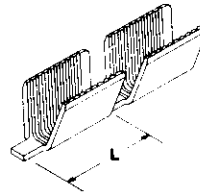
**AMPLIVAR Splices (Continued)**

**9 Serrations — Pigtail Type**

**Product Facts**

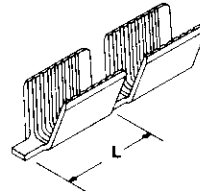
(Plus All 7 Serration Facts)

- Splice length is increased on larger CMA splices for improved performance
- Serration depths are varied within the splice to give optimum electrical/mechanical performance on all wire sizes
- Serration sidewall angles are varied to allow better wire stripping and serration fill
- Flat bottom of splice helps keep magnet wires on bottom as required during crimping
- Magnet wires 28 AWG [0.32 mm] and larger may be terminated without requiring shallow serrations
- Additional serrations enhance stability of crimp



| AWG/<br>mm <sup>2</sup> | Wire Range<br>Solid Dia. | Wire Range<br>CMA | Stock<br>Thickness | Crimp<br>Width | Dim.<br>L    | Material         | Part<br>Number       |
|-------------------------|--------------------------|-------------------|--------------------|----------------|--------------|------------------|----------------------|
| 24-18.5<br>0.26-0.80    | .020-.039<br>0.55-1.00   | 400-1500          | .016<br>0.41       | .080<br>2.03   | .225<br>5.72 | Tin Plated Brass | 62303-2*             |
| 22-15.5<br>0.38-1.54    | .028-.055<br>0.70-1.40   | 600-3000          | .020<br>0.51       | .110<br>2.79   | .225<br>5.72 | Tin Plated Brass | 62304-2              |
| 22-15.5<br>0.38-1.54    | .028-.055<br>0.70-1.40   | 600-3000          | .016<br>0.41       | .110<br>2.79   | .225<br>5.72 | Tin Plated Brass | 62305-2*             |
| 18.5-13.5<br>0.80-2.54  | .039-.071<br>1.00-1.80   | 1500-5000         | .020<br>0.51       | .110<br>2.79   | .225<br>5.72 | Tin Plated Brass | 62306-2              |
| 18.5-13.5<br>0.80-2.54  | .039-.071<br>1.00-1.80   | 1500-5000         | .016<br>0.41       | .110<br>2.79   | .225<br>5.72 | Tin Plated Brass | 62307-2*             |
| 15.5-12<br>1.54-3.46    | .055-.083<br>1.40-2.10   | 3000-7000         | .020<br>0.51       | .140<br>3.56   | .265<br>6.73 | Tin Plated Brass | 62308-2              |
| 13.5-10<br>2.54-4.90    | .071-.098<br>1.80-2.50   | 5000-10,000       | .025<br>0.64       | .180<br>4.57   | .265<br>6.73 | Tin Plated Brass | 62309-2              |
| 12-9<br>3.46-6.38       | .083-.112<br>2.10-2.85   | 7000-13,000       | .025<br>0.64       | .180<br>4.57   | .265<br>6.73 | Tin Plated Brass | 62310-2              |
| 10-6.5<br>4.90-9.45     | .098-.137<br>2.50-3.47   | 10,000-22,000     | .030<br>0.76       | .220<br>5.59   | .340<br>8.64 | Tin Plated Brass | 62311-2 <sup>1</sup> |

\*These splices are recommended for applications using wire size 28 AWG [0.32 mm] or smaller.  
<sup>1</sup> Special high force application equipment required.



**7 Serrations — Pigtail Type**

**Product Facts**

- Taper on both crimper and anvil improves flex life of termination
- Longer "flat" on tooling improves electrical performance (.125 vs. .080 [3.18 vs. 2.03])
- Radius on wire entry end of splice helps prevent nicking wires and improves mechanical performance
- Serrations are offset to sheared end to place additional serrations in "electrical" portion of crimped splice
- Splice CMA ranges are overlapped so that two splices are available for any given CMA

| AWG/<br>mm <sup>2</sup> | Wire Range<br>Solid Dia. | Wire Range<br>CMA | Stock<br>Thickness | Crimp<br>Width | Dim.<br>L    | Material         | Part<br>Number       |
|-------------------------|--------------------------|-------------------|--------------------|----------------|--------------|------------------|----------------------|
| 22-15.5<br>0.38-1.54    | .028-.055<br>0.70-1.40   | 600-3000          | .020<br>0.51       | .110<br>2.79   | .225<br>5.72 | Brass            | 62000-1              |
| 22-15.5<br>0.38-1.54    | .028-.055<br>0.70-1.40   | 600-3000          | .020<br>0.51       | .110<br>2.79   | .225<br>5.72 | Brass            | 62157-1*             |
| 22-15.5<br>0.38-1.54    | .028-.055<br>0.70-1.40   | 600-3000          | .020<br>0.51       | .110<br>2.79   | .225<br>5.72 | Tin Plated Brass | 62000-2              |
| 22-15.5<br>0.38-1.54    | .028-.055<br>0.70-1.40   | 600-3000          | .020<br>0.51       | .110<br>2.79   | .225<br>5.72 | Tin Plated Brass | 62157-2*             |
| 22-15.5<br>0.38-1.54    | .028-.055<br>0.70-1.40   | 600-3000          | .020<br>0.51       | .110<br>2.79   | .225<br>5.72 | Tin Plated Brass | 62200-2 <sup>1</sup> |
| 18.5-13.5<br>0.80-2.54  | .039-.071<br>1.00-1.80   | 1500-5000         | .020<br>0.51       | .110<br>2.79   | .225<br>5.72 | Brass            | 62040-2              |
| 18.5-13.5<br>0.80-2.54  | .039-.071<br>1.00-1.80   | 1500-5000         | .020<br>0.51       | .110<br>2.79   | .225<br>5.72 | Tin Plated Brass | 62040-1              |
| 18.5-13.5<br>0.80-2.54  | .039-.071<br>1.00-1.80   | 1500-5000         | .020<br>0.51       | .110<br>2.79   | .225<br>5.72 | Phosphor Bronze  | 964156-1             |
| 15.5-12<br>1.54-3.46    | .055-.083<br>1.40-2.10   | 3000-7000         | .020<br>0.51       | .140<br>3.56   | .225<br>5.72 | Brass            | 62001-1              |
| 15.5-12<br>1.54-3.46    | .055-.083<br>1.40-2.10   | 3000-7000         | .020<br>0.51       | .140<br>3.56   | .225<br>5.72 | Tin Plated Brass | 62001-2              |
| 15.5-12<br>1.54-3.46    | .055-.083<br>1.40-2.10   | 3000-7000         | .020<br>0.51       | .140<br>3.56   | .225<br>5.72 | Tin Plated Brass | 62201-2 <sup>1</sup> |
| 12-10<br>2.10-6.0       | .085-.110<br>2.10-2.85   | 7000-12,000       | .025<br>0.64       | .250<br>6.35   | .225<br>5.72 | Tin Plated Brass | 62295-1              |
| 12-10<br>2.10-6.0       | .085-.110<br>2.10-2.85   | 7000-12,000       | .025<br>0.64       | .250<br>6.35   | .225<br>5.72 | Brass            | 62295-2              |
| 12-9<br>2.10-6.38       | .085-.115<br>2.10-3.47   | 7000-13,000       | .025<br>0.64       | .180<br>4.57   | .225<br>5.72 | Tin Plated Brass | 62002-2              |

\*These splices are recommended for applications using wire size 26 AWG [0.40 mm] or smaller.  
<sup>1</sup> Flat bottom.

AMPLIVAR Splices