

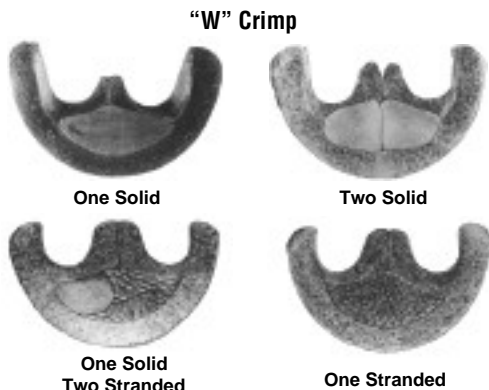
## The SOLISTRAND Terminal

SOLISTRAND terminals and splices are specially designed to terminate solid and stranded wire, irregular shaped conductors, and combinations of these — still retaining the superior performance characteristics of single-purpose terminals and splices. Because AMP matches the terminal to the tool each termination is uniformly perfect, making quality control easy and performance consistent. Corrosion resistance, vibration resistance and tensile strength of these terminals and splices are well within the limits of commercial and military specifications. The SOLISTRAND line includes parallel and butt splices, and flag, ring, spade, hooked, and flanged tongue terminals in sizes from 26 AWG [0.1 mm<sup>2</sup>] through 600 MCM [304 mm<sup>2</sup>].

### The Crimp

The “W” Crimp is one of several time-proven crimp types developed by AMP. It is not just a “kink” in a metal barrel; not something pinched over electrical wire ends. The “W” Crimp is actually two longitudinal crimps applied with precisely controlled pressure so that the conductor within the barrel flows together into the dimples or serrations of the terminal barrel creating one homogeneous mass of metal. The two indents also help to center conductors within the barrel for uniform crimping of the barrel around the wire. Furthermore, the “W” Crimp permits the use of a shorter terminal barrel, an excellent feature for confined area termination.

The “W” Crimp creates terminations of optimum electrical properties and is completely reliable, giving long service in punishing environments.



**BRAZED SEAM.** The barrel is completely closed and seam is brazed for uniform metal strength around the entire barrel area.

**BASIC TERMINAL MATERIAL.** The basic terminal is constructed of fine grade high conductivity copper per ASTM B-152 and tin-plated per MIL-T-10727. Basic material for Spring Spade Tongue Terminals is phosphor bronze per ASTM B-103 and tin-plated per MIL-T-10727. AMP's special plating process creates durable corrosion resistance to salt spray and most chemical fumes.



**BELL MOUTH.** Bell shape of barrel entrance makes insertion of wires easier.

**DIMPLES OR SERRATIONS.** Inner surface either dimpled or serrated for optimum tensile strength and maximum electrical contact area after crimping.

**SOLISTRAND Terminals meet or exceed the requirements of MIL-T-7928, Type I, Class 1 and 2.**

**Temperature Rating: 170°C Max.**

### AMP SOLISTRAND Terminals and Splices (Use SOLISTRAND Tooling)

AMP Inc. Wire Size	 Listed File No. E13288	 LR 7189 Certified
22-16 Solid or Stranded	22-16 Solid or Stranded	22-16 Solid or Stranded
16-14 Solid or Stranded	16-14 Solid or Stranded	16-14 Solid or Stranded
16-14 Heavy Duty Solid or Stranded	16-14 Heavy Duty Stranded	16-14 Heavy Duty Solid or Stranded
14-12 Solid or Stranded	14-12 Stranded	14-12 Solid or Stranded
12-10 Solid or Stranded	12-10 Stranded	12-10 Solid or Stranded
8 thru 600 MCM Solid or Stranded	8 thru 600 MCM Stranded	8 thru 600 MCM Solid or Stranded

**Note:** 22-16 terminals and splices are stamped 22-18 in accordance with MIL-T-7928. Commercial wire range is 22-16.

**DANGER: Not to be used on aluminum wire** — may cause equipment failure leading to serious injury or death.