

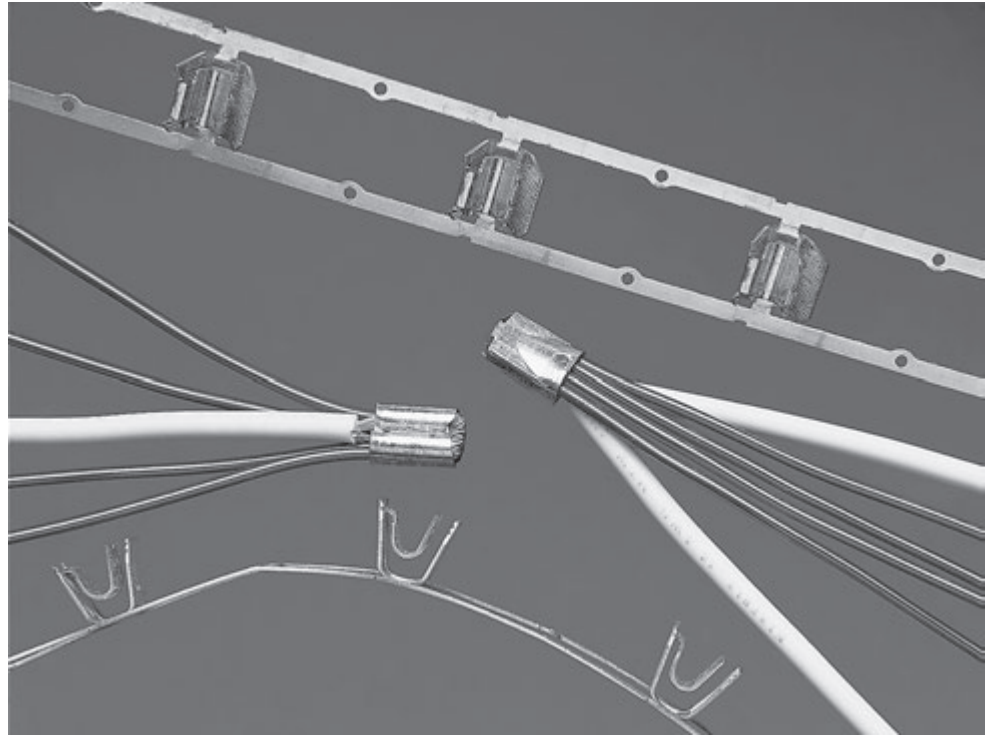
Power Splice

Product Facts

- Compression crimp eliminates cold solder points, weld burns and wire embrittlement usually connected with thermal-type terminations
- Precisely controlled crimp termination helps eliminate human error, for maximum reliability
- Excellent tensile strength, up to 90 lbs axial retention, vibration resistant
- Provides a superior electrical connection that is free of many contaminants such as stripper residue and solder flux
- 8000 - 38,000 CMA nominal capacity
- Accepts up to six magnet wires and two standard solid or stranded lead wires
- Superior test results: low resistance, high stability
- High termination rates, low wire consumption and the elimination of rejects caused by solder flux or heat damage results in the lowest applied costs

Applications

- Hermetic/Compressor motors
- Squirrel cage DC motors
- Capacitor start motors
- Gear & Traction motors
- Power supplies
- Liner, Torroid & RF transformers
- Circuit breakers & welders



TE features the Power Splice terminal that is specifically designed to terminate a wide range of lead and magnet wire combinations.

The splice contains two cavities that separate and cradle magnet wire and stripped lead wires prior to crimping.

The outer saddle accepts up to six-magnet wire allowing for a CMA range of 15,000 to 30,000.

The inner saddle accepts pre-stripped lead wires that total up to 10,900 CMA.



In a one step automatic operation, the magnet wire film insulation is multiple ring-stripped as it is forced into the serrations while the lead wire is simultaneously terminated during the precisely controlled crimp.

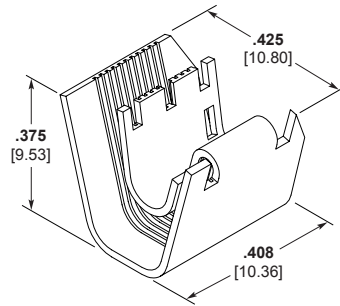
The outer saddle has machined, sharp edges made by a special production process that pierces the insulating layer of the magnet wire in a manner that provides a large contact area.

The resulting termination produces a high tensile strength, air sealed connection that is as resistant to corrosion as the insulated conductor with up to 90 lbs axial retention.

As many as six magnet wires can be terminated simultaneously in one splice in combination with up to two pre-stripped standard solid or stranded lead wire.

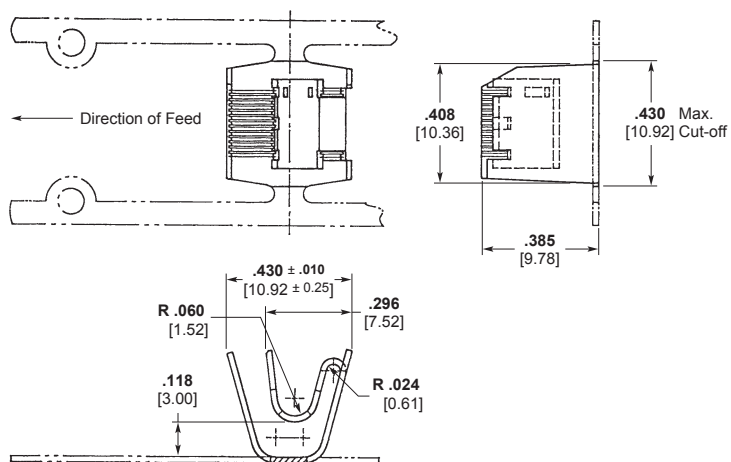
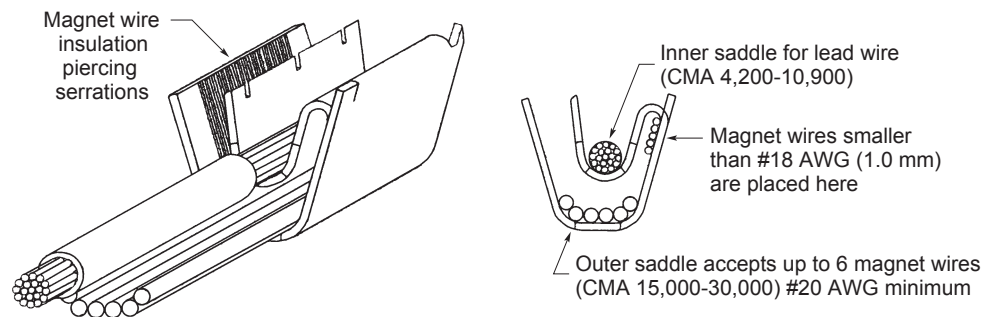
A semi-automatic machine provides high output per hour terminations.

Power Splice (Continued)



Type	Magnet Wire Range CMA	Lead Wire Range CMA	Part Number Reeled
A	15,000-30,000	4200-10,900	1601953-1 ¹

¹ Total combined CMA not to exceed 38000.



Part Number 111-000-001