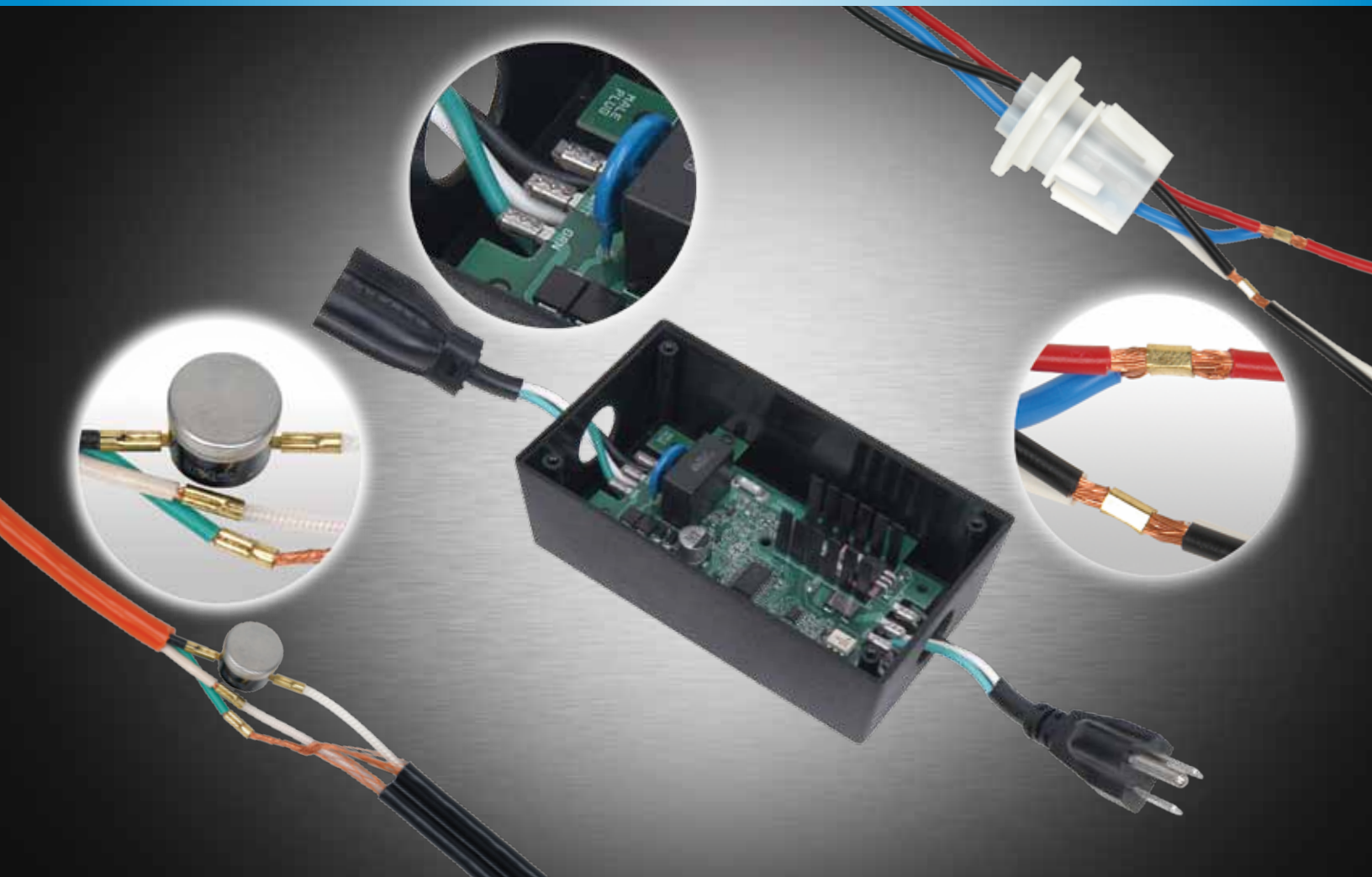


Splice Technology



Inspired Global Solutions™

bulletin #0511st

autosplice®

Innovative Interconnections™

Autosplice Splicing Technology

Autosplice Splicing Technology is an advanced method of producing low-cost, high reliability crimp connections. The system is comprised of a semi-automatic applicator and a reel of continuous Spliceband material. The Autosplice method produces the lowest cost, reliable, machine applied connection, eliminating expensive pre-formed crimps and unreliable soldering or welding operations. The Autosplice system is available in a variety of tooling sizes and Spliceband types



Automotive



Electrical Components



Communications



Medical



Consumer Electronics



Lighting

Benefits of Autosplice System:

• Multiple applications:

- Approved for the automotive industry.
- Other fields of applications are lighting fixtures, solar technology, domestic appliances, home entertainment, telecommunications, medical devices, data processing, aerospace, building fittings, etc.

• Cost effective and flexible:

- Cost effective basic machine and toolset.
- Easy product upgrading possible at any time because of wide range of toolsets.
- Different toolset sizes possible in working with one kind of spliceband.
- Only few wear parts.

• Development edge and service:

- Support in phase of design from customer application by Autosplice.
- First customer samples from Autosplice free of charge.
- Consequently a quick solution in way of connection.

• High production speed:

- Up to 2300 connections per hour.

• Easy handling:

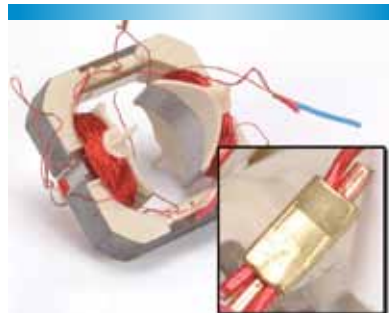
- High productivity within short time of initial training.
- Eliminates the need for highly skilled labour.

• Waste-free and eco-friendly:

- 100% of spliceband material is used.
- Environmentally friendly spliceband material.



Magnet Piercing



Magnet Piercing



**Optional:
Special Fixturing
Horn Tooling**

Splice Technology... almost unlimited connections:



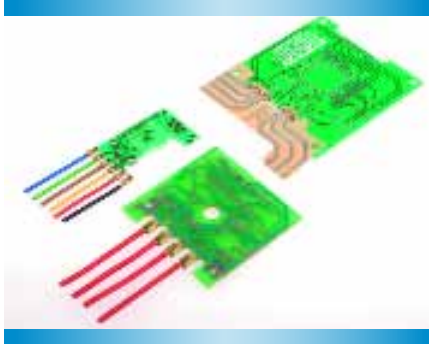
Wire to wire



Wire to Component



Wire to Switch or Motor



D-Bit – Wire to PCB



Magnet wire to Component

For the highest quality requirements:

- Gas tight connection
- No cold solder joint
- No head impact to the components
- No stiffening to the wire
- Extremely low electrical resistance
- Resistant against vibrations and shocks
- Resistant against corrosion
- Small space requirement

Using magnet-piercing spliceband, the splice system will produce a connection of an unstripped magnet wire directly to wire or component. This eliminates the need of prestripping.

**By application of general standards:
for example:**

- UL 486 C
- IEC 60352-2
- MIL - STD 202
- IPC / WHMA-A-620

| |
|----------------------------|
| Standard serrations |
| For normal applications |



| |
|-----------------------------------|
| "M" Serrations |
| For insulation piercing on magnet |
| Wire applications |



Spliceband –Technology and Design:

Spliceband is a continuous reel of crimping material that is cut and formed in the applicator tooling to produce a finished crimp. The spliceband underside is specially serrated to ensure the electrical and mechanical performance of the crimp connection. According to different operational areas various spliceband dimensions and materials are available, see table:

| Spliceband range | | |
|---|------|---|
| Material | Code | Field of application |
| Brass blank | BC | General purpose up to +120 C° |
| Brass tin plated | TC | General purpose up to +120 C° resists tarnishing recommended for presoldered components |
| Copper nickel blank | NC | Resist corrosion Applications up to +260C° Weldable |
| Stainless steel | SC | Resist corrosion Applications over 260C° |
| Customer specified | -- | Manufacturing on request |
| Dimensions: Spliceband is available in the width 2mm, 4mm, 6mm and in the thickness between 0.25mm and 0.50mm | | |



One reel of spliceband contains up to 190,000 crimps.

Applicator Machines

ACS 2000

Specifications:

Drive Device: Servo Motor
 Depth: 22.0" (560mm)
 Width: 12.20" (310mm)
 Height: 19.70" (500mm)
 Weight: 112 Lbs (51Kg)
 Air Pressure: 87psi (6 Bar)
 Voltage: 110V/60Hz or 230V/50Hz
 Display: Foil Keyboard with LCD Display
 Emergency Stop Switch
 Programmable counter
 Operation: Footswitch

Options:

Horn Clincher
 Crimp Force Monitor
 Available Tool Sizes: 2, 4 & 6mm



SAS/2

Specifications:

Drive Device: 1/3 HP Motor
 Depth: 19.70" (500mm)
 Width: 19.70" (500mm)
 Height: 17.71" (450mm)
 Weight: 132 Lbs (60 Kg)
 Air Pressure: N/A
 Voltage: 110V/60Hz or 230V/50Hz
 Display: On/Off Pushbuttons
 Emergency Stop Switch
 Resettable Counter
 Operation: Footswitch

Options:

Horn Clincher
 Crimp Force Monitor
 Available Tool Sizes: 2, 3, 4, 6 & 8mm

Optional Crimp
 Force Monitor



Authorized Distributors

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Performance. Trust. Innovation.

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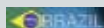
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