

# Perma-Seal Terminals and Splices

Perma-Seal Terminals and Splices provide a rugged, environmentally sealed connection that insulates, protects and seals electrical connections from physical abuse, water, salt and other corrosive compounds, and are ideal for use in a wide variety of harsh environments.

## ADVANTAGES AND FEATURES

### Provides securely sealed electrical connections

Engineered to offer a long-lasting connection resistant to water, salt, condensation, corrosion and heat

### Simplifies and speeds installation

Heat-sensitive insulation shrinks at a lower temperature (90°C) and up to 40% quicker than many competing products, making installation faster and easier

### Helps guard against mechanical damage

Rugged proprietary NiAc™ adhesive-lined heat-shrinkable insulation sleeve resists abrasion and cutting, helping maintain insulating and sealing properties both inside and out

### Enables simple visual inspection

See-through insulation allows for easy visual inspection of crimped and sealed joints

Current (max.)	Up to 50.0A (varies by wire size)
Voltage (max.)	600V
Wire Size	8 to 22 AWG
Terminal Styles	Ring, Spade, Quick Disconnect
Minimum Shrink Temperature	90°C
Operating Temperatures	-55 to +125°C

### Offers versatility for a variety of applications

Heat-shrinkable sleeve has a funnel entry opening and can shrink to less than half its original diameter, enabling it to accommodate both thick and thin wire insulation inside and out

### Resists chemical damage

Excellent chemical-resistant properties protect against damage even when submerged in antifreeze, brake fluid, gasoline, motor oil, isopropanol, trichloroethylene, diesel fuel, salt water or battery acid

### Repels moisture incursion

Hot-melt adhesive lining the inside of the insulation melts during heat-shrinking and fills voids in the joint, helping seal the connection and repelling moisture incursion, even during pressure cycling



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## APPLICATIONS

### Commercial Vehicle

Marine components  
Bilge pumps and water pumps  
Construction vehicle harnesses  
Tractors and lawn/garden equipment  
Agricultural machinery



Construction Vehicle Harnesses



Body Electronics



Pool and Spa Components

### Automotive Aftermarket

Gauges  
Control unit modules  
Battery packs  
Body electronics

### Consumer

Pool and spa components  
HVAC compressors  
Lawn and garden equipment  
Snow blowers  
Liquid-dispensing equipment

## SPECIFICATIONS

### Reference Information

Packaging: Box or Mylar tape on reels  
UL File No.: E32244  
CSA File No.: LR18689  
Wire Size: 8 to 22 AWG  
Stud Size: #6 to .5"

### Electrical

Voltage (max.): Up to 600V  
Amperage (max.): Up to 50.0A (varies by wire size)  
Dielectric Strength: 750V/mil (30KV/mm)

### Physical

Terminal Material: Copper or Brass  
Plating: Matte Tin  
Insulation Materials:  
NiAc™ adhesive-lined heat shrinkable  
Operating Temperatures: -55 to +125°C