# 22 – 8 AWG

## 22 – 18 AWG

| Part Number | Stud Size |
|---|---|
| SA-221-06 | 6 |
| SA-221-08 | 8 |
| SA-221-10 | 10 |
| SA-222-14 | 1/4 |
| SA-226-38 | 3/8 |
| SA-235-06 | 6 |
| SA-235-08 | 8 |
| SA-235-10 | 10 |

## 16 – 14 AWG

| Part Number | Stud Size |
|---|---|
| SB-237-06 | 6 |
| SB-237-08 | 8 |
| SB-239-10 | 10 |
| SB-225-14 | 1/4 |
| SB-225-56 | 5/16 |
| SB-218-38 | 3/8 |
| SB-227-06 | 6 |
| SB-227-08 | 8 |
| SB-227-10 | 10 |
| SB-219-10 | 10 |

## 12 – 10 AWG

| Part Number | Stud Size |
|---|---|
| SC-228-06 | 6 |
| SC-228-08 | 8 |
| SC-228-10 | 10 |
| SC-230-14 | 1/4 |
| SC-230-56 | 5/16 |
| SC-240-38 | 3/8 |
| SC-201-12 | 1/2 |
| SC-241-06 | 6 |
| SC-241-08 | 8 |
| SC-241-10 | 10 |

## Splices

| Part Number | Wire Range |
|---|---|
| SAA-22-18 | 22 – 18 |
| SBB-16-14 | 16 – 14 |
| SC-12-10 | 12 – 10 |

## Quick Disconnects

| Part Number | Wire Range |
|---|---|
| SAA-2140 | 22 – 18 |
| SBB-2141 | 16 – 14 |
| SC-2143 | 12 – 10 |

## Male Fully Insulated

| Part Number | Wire Range |
|---|---|
| SAA-9260 | 22 – 18 |
| SBB-9262 | 16 – 14 |
| SC-9280 | 12 – 10 |

## Female Fully Insulated

| Part Number | Wire Range |
|---|---|
| SAA-9261 | 22 – 18 |
| SBB-9263 | 16 – 14 |
| SC-9281 | 12 – 10 |

## Step Down Butts

| Part Number | Step Size |
|---|---|
| SBA-631 | 16 – 14 to 22 – 18 |
| SCB-646 | 12 – 10 to 16 – 14 |

## Snap Plugs

| Part Number | Stud Size | Wire Range |
|---|---|---|
| SA-259 | .176 | 22 – 18 |
| SA-269 | .157 | 22 – 18 |
| SB-279 | .176 | 16 – 14 |
| SB-289 | .157 | 16 – 14 |

## Snap Plug Receptacles

| Part Number | Stud Size | Wire Range |
|---|---|---|
| SBRA-8156N | .157 | 22 – 18 |
| SBRA-8180N | .176 | 22 – 18 |
| SBRB-8156N | .157 | 16 – 14 |
| SBRB-8180N | .176 | 16 – 14 |

***22-10 AWG terminals and splices sold in packages of 100***

***10 piece bubble packs also available. To order, append -10 to the part number. Example: SA-259-10***

***Call for bulk quantities***



# Perma-Seal® NiAc Heat-Seal Terminals and Splices

**Perma-Seal NiAc Terminals and Splices** provide a rugged, environmentally-sealed connection for wire sizes 8 to 22 AWG.

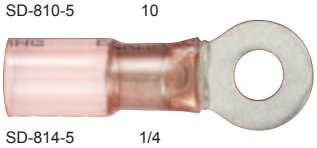
Insulates, seals, and protects electrical connections from abuse, abrasion, water, salt, and corrosive compounds.

-55°C TO 125°C

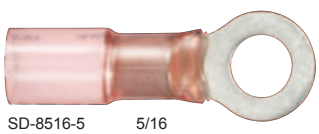
## 8 AWG

**Part Number** **Stud Size**

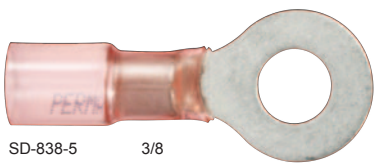
SD-810-5 10



SD-814-5 1/4



SD-8516-5 5/16



SD-838-5 3/8

## 8 AWG Splice


**Part Number** SD-8-5

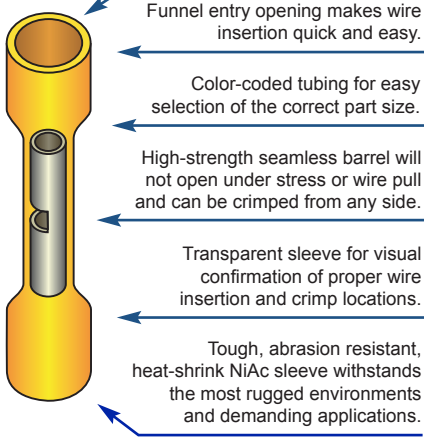
***8 AWG terminals and splices sold in packages of 5***

***Packages of 100 available***

*Parts shown approximately actual size*

## Features

- Heat shrinkable at low temperature
- Shrinks 40% faster than nylon or polyolefin tubing
- Long-lasting, moisture-proof connections
- Withstands water, salt, corrosion, condensation, and heat
- Heat stable. Splices remain supple and impact resistant
- Tough and durable. Resists vibration cuts and abrasions
- Smaller and lighter than most comparable wire splices
- Provides a reliable, impermeable seal on 1:1, 2:1, or 2:2 splices
- Easy to install using standard tools




## Product Characteristics

Properly installed, Perma-Seal splices and terminals exceed all pertinent UL, CSA, and MIL Specification requirements. Typical properties of the installed splice and for the NiAc insulation alone are shown below.

### Typical Properties of Installed Connectors

| | |
|---|---|
| Temperature rating | -55°C to 125°C |
| Dielectric strength | 7.5kv |
| Voltage drop | Less than equal length of wire |
| Insulation resistance | 106 Megohms |
| Shrink temperature | 90°C |
| Tensile (pull test) value | Greater than Mil-T-7928 and UL No. 486 |

### Typical Properties of NiAc Tubing

| | |
|---|---|
| Tensile strength | 6000 psi minimum |
| Ultimate elongation | 175% |
| Longitudinal change | +0-10% |
| Specific gravity | 1.1 maximum |
| Heat shock (4 hours at 225°C) | No dripping, flowing, or cracking |

### After Heat Aging 168 Hours at 150°C

| | |
|---|---|
| Tensile strength | 70% of original |
| Ultimate elongation | 100% minimum |
| Dielectric strength | 500volts/mil minimum |
| Low temperature flexibility (4 hours at -40°C) | No cracking |

## Applications

- Automotive
- Transportation
- Commercial vehicles
- Marine equipment
- Fountains, pools, spas
- Aerospace
- Defense
- Industrial
- Construction
- Renewable energy

***Perma-Seal Service Kits available — See page 87***