

22 – 8 AWG

22 – 18 AWG

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

16 – 14 AWG

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

12 – 10 AWG

SC-228-06	6	SC-240-38	3/8
SC-228-08	8	SC-201-12	1/2
SC-228-10	10	SC-241-06	6
SC-230-14	1/4	SC-241-08	8
SC-230-56	5/16	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.



8 AWG

Part Number Stud Size



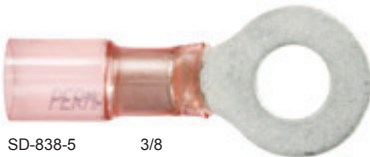
SD-810-5 10



SD-814-5 1/4



SD-8516-5 5/16



SD-838-5 3/8

8 AWG Splice



Part Number SD-8-5

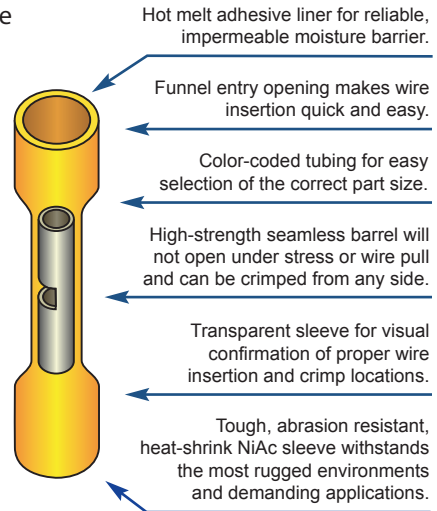
8 AWG terminals and splices sold in packages of 5

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