

Heat-Seal Terminals and Splices

22 – 8 AWG

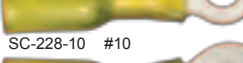
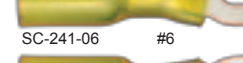
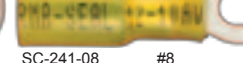
22 – 18 AWG

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

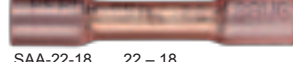
16 – 14 AWG

 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

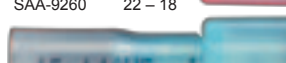
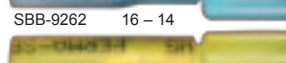
Splices

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

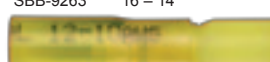
Quick Disconnects

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

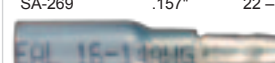
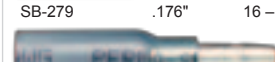
Female Fully Insulated

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

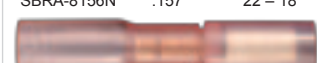
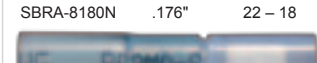
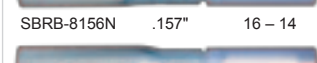
Step Down Butts

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

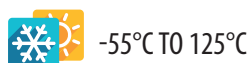
10 piece bubble packs also available. To order, append -10 to the part number. Example: SA-222-06-10

Call for bulk quantities

Premium Clear Color Heat-Seal Terminals and Splices

Clear Color Heat Seal 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



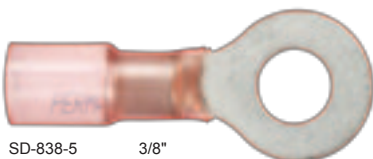
SD-810-5 #10



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, heat seal splices and terminals exceed all pertinent UL, CSA, and MIL Specification requirements. Typical properties of the installed splice and for the shrink tubing alone are shown below.

Typical Properties of Installed Connectors

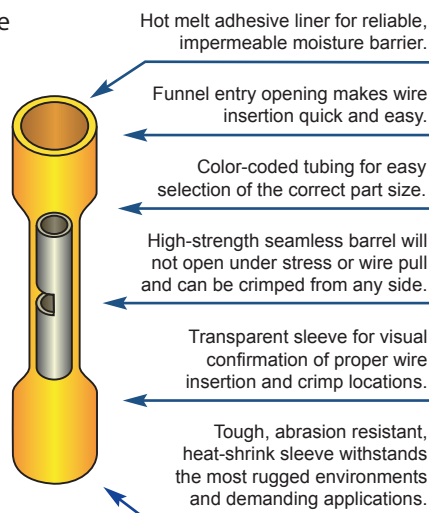
Temperature rating	-55°C to 125°C
Dielectric strength	7.5kv
Voltage drop	Less than equal length of wire
Insulation resistance	106 Megohms
Shrink temperature	90°C
Tensile (pull test) value	Greater than Mil-T-7928 and UL No. 486

Typical Properties of Shrink 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



Heat-Seal Terminal Service Kits available
See page 67

Heat-Seal Terminals and Splices

SOLDERLESS CRIMP CONNECTORS

Premium Clear Heat Seal Shrink Connectors



Take the Guesswork Out of Crimping!

Clear Heat Seal Shrink Connectors are designed to provide optimal visual assurance of proper terminal installation and offer visual inspection of the wire condition over the life of the termination.

- -55°C to 105°C (-67°F to 221°F)
- Rated for 600V



Clear Adhesive Lined Heat Shrink Tubing

- Transparent waterproof insulation allows inspection and visual verification of wire placement and condition
- Crystal clear adhesive ensures a waterproof seal and exceptional optical clarity

Windowed Butt Connectors

- Window allows installer to see that the wire is properly seated and crimped
- Center stop prevents over-insertion
- Seamless barrel ensures superior crimp performance
- Color stripes guide crimp placement and indicate industry standard wire size

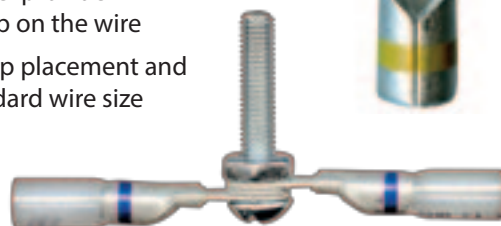


45° Ring Terminals

- 45° angled barrel design assures that wire is ideally seated and crimped, and provides for better tubing adherence and seal
- Longer neck allows ring terminals to stack tightly without tubing interference for maximum contact
- Brazed seam barrel for superior crimp performance
- Serrations in crimp barrel provide a strong mechanical grip on the wire
- Color stripe guides crimp placement and indicates industry standard wire size



-55°C TO 105°C





Butts, Rings, Spades, and Quick Slides

22 – 8 AWG

SOLDERLESS CRIMP CONNECTORS

Butt Connectors – Window with Wire Stop, Seamless Barrel

Part Number	Wire Gauge	Stripe
OB-22-18	22-18 AWG	Red
OB-16-14	16-14 AWG	Blue
OB-12-10	12-10 AWG	Yellow



OB-22-18



OB-16-14



OB-12-10



OSB-18-24



OSB-14-22



OSB-10-16



OSB-8-12

Step-Down Connectors – Window with Wire Stop, Seamless Barrel

Part Number	Wire Gauge	Stripe
OSB-18-24	22-18 AWG to 24-22 AWG	White / Red
OSB-14-22	16-14 AWG to 22-18 AWG	Red / Blue
OSB-10-16	12-10 AWG to 16-14 AWG	Blue / Yellow
OSB-8-12	8 AWG to 12-10 AWG	Yellow / Red



OR-18-06



OR-18-08



OR-18-10



OR-14-06



OR-14-08



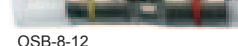
OR-14-10



OR-14-14



OR-14-56



OS-16-06



OS-16-10



OS-14-06



OS-14-08



OS-14-10



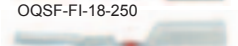
OS-10-10



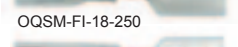
OS-10-14



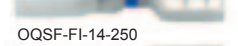
QQSF-FI-18-250



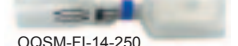
QQSM-FI-18-250



QQSF-FI-14-250



QQSM-FI-14-250



QQSF-FI-10-250



QQSM-FI-10-250

Ring Terminals – Long Neck, Brazed Seam

Part Number	Wire Gauge	Stripe	Stud Size	Thickness
OR-18-06	22-18 AWG	Red	#6	.032" (.80mm)
OR-18-08	22-18 AWG	Red	#8	.032" (.80mm)
OR-18-10	22-18 AWG	Red	#10	.032" (.80mm)
OR-14-06	16-14 AWG	Blue	#6	.032" (.80mm)
OR-14-08	16-14 AWG	Blue	#8	.032" (.80mm)
OR-14-10	16-14 AWG	Blue	#10	.032" (.80mm)
OR-14-14	16-14 AWG	Blue	1/4"	.032" (.80mm)
OR-14-56	16-14 AWG	Blue	5/16"	.032" (.80mm)
OR-14-38	16-14 AWG	Blue	3/8"	.032" (.80mm)
OR-10-8	12-10 AWG	Yellow	#8	.040" (1.0mm)
OR-10-10	12-10 AWG	Yellow	#10	.040" (1.0mm)
OR-10-14	12-10 AWG	Yellow	1/4"	.040" (1.0mm)
OR-10-56	12-10 AWG	Yellow	5/16"	.040" (1.0mm)
OR-10-38	12-10 AWG	Yellow	3/8"	.040" (1.0mm)

Spade Terminals – Long Neck, Brazed Seam

Part Number	Wire Gauge	Stripe	Stud Size	Thickness
OS-16-06	22-18 AWG	Red	#6	.032" (.80mm)
OS-16-10	22-18 AWG	Red	#8 to #10	.032" (.80mm)
OS-14-06	16-14 AWG	Blue	#6	.032" (.80mm)
OS-14-10	16-14 AWG	Blue	#8 to #10	.032" (.80mm)
OS-10-10	12-10 AWG	Yellow	#8 to #10	.032" (.80mm)
OS-10-14	12-10 AWG	Yellow	1/4"	.032" (.80mm)



OR-14-38



OR-10-08



OR-10-10



OR-10-14



OR-10-56



OR-10-38

Slide Connectors – Long Neck, Butted Seam, Grip

Part Number	Wire Gauge	Stripe	Gender	Tab Size	Thickness
QQSF-FI-18-250	22-18 AWG	Red	Female	.250"	.032" (.80mm)
QQSM-FI-18-250	22-18 AWG	Red	Male	.250"	.032" (.80mm)
QQSF-FI-14-250	16-14 AWG	Blue	Female	.250"	.032" (.80mm)
QQSM-FI-14-250	16-14 AWG	Blue	Male	.250"	.032" (.80mm)
QQSF-FI-10-250	12-10 AWG	Yellow	Female	.250"	.032" (.80mm)
QQSM-FI-10-250	12-10 AWG	Yellow	Male	.250"	.032" (.80mm)

