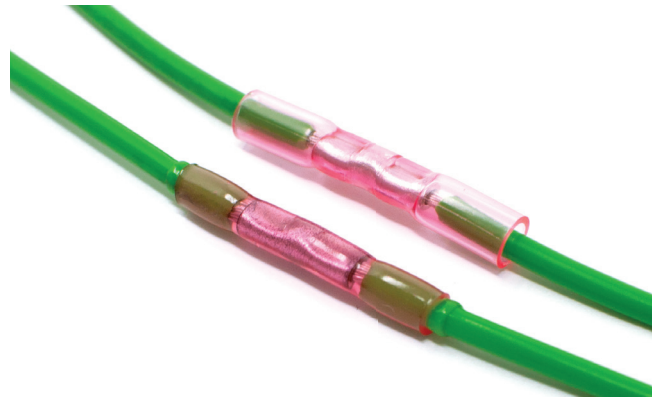


CrimpSeal II

Heat-shrink insulated connectors

Crystal clear, semi-rigid, adhesive lined tubing with integral solderless splice connector.



Features and Benefits

- Halogen-free
- Exceptional clarity for visual confirmation of seal
- Seals & protects against water, corrosive compounds, moisture & contaminants
- Tough, durable heat shrink tubing resists abrasion, crimp tool damage & splitting
- Shrinks 40% faster than nylon, preventing wire damage
- Inner adhesive bonds to plastics, rubbers & metals
- Voltage max. 600V
- Shrink ratio: 3:1
- Continuous operating temperature: -55°C to 125°C
- Shrink temperature: 100°C min.

Standards

- UL486C - UL file # E470828
- Meets & conforms to OEM

wiring specifications for installation & repairs

Typical Applications

- Wire to wire splicing
- Environmental protection for crimp-connections & terminals
- Automotive / trucking repair and maintenance
- Commercial, electronics & appliance wiring
- Marine electronics & fleet maintenance

3:1

Shrink ratio

-55°C - 125°C (-67°F to 257°F)

Continuous
operating
temperature

Markets:

Defense, Aerospace, Industrial, Commercial, Automatic Feed Equipment, MRO and Aftermarket, Automotive Aftermarket

Standards:



CrimpSeal II

Butt connector

COLOR	WIRE RANGE	STUD SIZE	TUBE DIAMETER	
			EXPANDED	RECOVERED
	awg (mm ²)	in (mm)	mm	mm
Clear	28-22 (0.1-0.5)	- (-)	3.7	1.0
Red*	22-18 (0.5-1.5)	- (-)	4.3	1.4
Blue*	16-14 (1.5-2.5)	- (-)	5.0	1.8
Yellow*	12-10 (4-6)	- (-)	6.5	2.2

* Also available in long version with 24mm (0.944 in) stud. Long version without UL approval.



Ring connector

COLOR	WIRE RANGE	STUD SIZE	TUBE DIAMETER	
			EXPANDED	RECOVERED
	awg (mm ²)	in (mm)	mm	mm
Red	22-18 (0.5-1.5)	#8 (4)	4.3	1.4
Red	22-18 (0.5-1.5)	#10 (5)	4.3	1.4
Red	22-18 (0.5-1.5)	1/4 (6)	4.3	1.4
Red	22-18 (0.5-1.5)	5/16 (8)	4.3	1.4
Red	22-18 (0.5-1.5)	3/8 (10)	4.3	1.4
Blue	16-14 (1.5-2.5)	#8 (4)	5.0	1.8
Blue	16-14 (1.5-2.5)	#10 (5)	5.0	1.8
Blue	16-14 (1.5-2.5)	1/4 (6)	5.0	1.8
Blue	16-14 (1.5-2.5)	5/16 (8)	5.0	1.8
Blue	16-14 (1.5-2.5)	3/8 (10)	5.0	1.8
Yellow	12-10 (4-6)	#8 (4)	6.5	2.2
Yellow	12-10 (4-6)	#10 (5)	6.5	2.2
Yellow	12-10 (4-6)	1/4 (6)	6.5	2.2
Yellow	12-10 (4-6)	5/16 (8)	6.5	2.2
Yellow	12-10 (4-6)	3/8 (10)	6.5	2.2



We advise that customers should separately evaluate the suitability of our products for their particular application. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. Please ask for the latest version of this data sheet. Subject to modification without prior notice.

For further information, please contact:

Americas: 800 422 6872
Canada: 800 845 6808

Asia Pacific: +86 512 82280099
Europe: +49 2226 9047 355

CrimpSeal II

Fork connector

COLOR	WIRE RANGE	STUD SIZE	TUBE DIAMETER	
			EXPANDED	RECOVERED
	<i>awg (mm²)</i>	<i>in (mm)</i>	<i>mm</i>	<i>mm</i>
Red	22-18 (0.5-1.5)	#8 (4)	4.3	1.4
Red	22-18 (0.5-1.5)	#10 (5)	4.3	1.4
Blue	16-14 (1.5-2.5)	#8 (4)	5.0	1.8
Blue	16-14 (1.5-2.5)	#10 (5)	5.0	1.8
Yellow	12-10 (4-6)	#8 (4)	6.5	2.2
Yellow	12-10 (4-6)	#10 (5)	6.5	2.2



Push connector

COLOR	WIRE RANGE	STUD SIZE	TUBE DIAMETER	
			EXPANDED	RECOVERED
	<i>awg (mm²)</i>	<i>in (mm)</i>	<i>mm</i>	<i>mm</i>
Red	22-18 (0.5-1.5)	- (-)	4.3	1.4
Blue	16-14 (1.5-2.5)	- (-)	5.0	1.8
Yellow	12-10 (4-6)	- (-)	6.5	2.2



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Tab connector

COLOR	WIRE RANGE	STUD SIZE	TUBE DIAMETER	
			EXPANDED	RECOVERED
	awg (mm ²)	in (mm)	mm	mm
Red	22-18 (0.5-1.5)	- (-)	4.3	1.4
Blue	16-14 (1.5-2.5)	- (-)	5.0	1.8
Yellow	12-10 (4-6)	- (-)	6.5	2.2



Ordering

- Determine the wire gauge size that you require
- Select the most appropriate connector for your application
- Please specify the product name, order number and options you require
- Order example: CrimpSeal II, butt connector, 22-18 AWG, red

Please contact your Customer Service Representative for information on custom colors, sizes, lengths and material data sheet.

Application notes

- Strip wires min 7.5 mm & insert into the crimp barrel. Crimp with a DSG-Canusa (or equivalent) hand tool
- Heat the shrink tube along the entire length, working from the centre out to the edges until a water tight seal is formed
- Allow to cool before inspection for splice integrity
- All splice assemblies will conform to most OEM & repair requirements and specifications

Please also refer to working instructions VSPZ 056.

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CrimpSeal II

Technical data

PROPERTY	CURRENT VALUES	TEST METHODS
MATERIAL		
Material	Ethylen-Copolymer, modified; free of lead, cadmium, and halogen	n/a
Pod	Copper (E-CU) - ETP	n/a
Surface	smooth	n/a
Specific gravity	0.95 g/cm ³ max.	ASTM-D 792, A-I
Shrink ratio	3:1	n/a
Longitudinal shrinkage	-10 % max.	ASTM-D 2671
Shore hardness	Shore D approx. 55	n/a
MECHANICAL		
Tensile strength	27 MPa	IEC 60684-2
Elongation	450%	IEC 60684-2
THERMAL		
Thermal ageing (168 h at 165°C)	no breaking, dripping or cracking	n/a
Thermal shock (4 h at 250°C)	no breaking, dripping or cracking	n/a
Cold bend test	does not break at -55°C	n/a
Combustion behaviour	passed	FMVSS 302
Shrink temperature	100°C min.	n/a
Storage temperature	50°C max.	n/a
Continuous operating temperature	-55°C to 125°C	IEC 216
CHEMICAL		
Corrosive action	non-corrosive	ASTM-D 2671 Meth. A
Compatibility with copper	non-corrosive	ASTM-D 2671 Meth. B
Resistance against chemicals	good	n/a
Water absorption	0.5 % max.	VDE 0473
ELECTRICAL		
Dielectric strength	30 kV/mm	VDE 0303 Part 2

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