

# Amphenol+MELNI TECHNOLOGIES



## RadCrimp™ Solar Splice with Melni Spiral Termination Technology

Introducing the RadCrimp™ Solar Splice with Melni Spiral Termination Technology from Amphenol Industrial Sustainable Technologies (AIST). A robust DC connector rated to UL 1500V DC specifications. The RadCrimp™ Solar Splice with Melni Spiral Termination Technology removes improper mating from the equation. The RadCrimp™ will eliminate the timely process of crimping, the need to buy expensive crimping equipment, and will be an overall quicker, safer solution than the PV connectors of the past. This new innovation in technology provides a safe and reliable connection the industry desperately needs.

### Features:

- Features Melni Spiral Termination Technology
- Simple and fast termination
- Field termination and sealing without special tools
- Low resistance wire termination and sealing in one action
- IP68 Sealing protection
- Innovative Melni Spiral Termination Technology is low resistance and reliable
- UL Certified

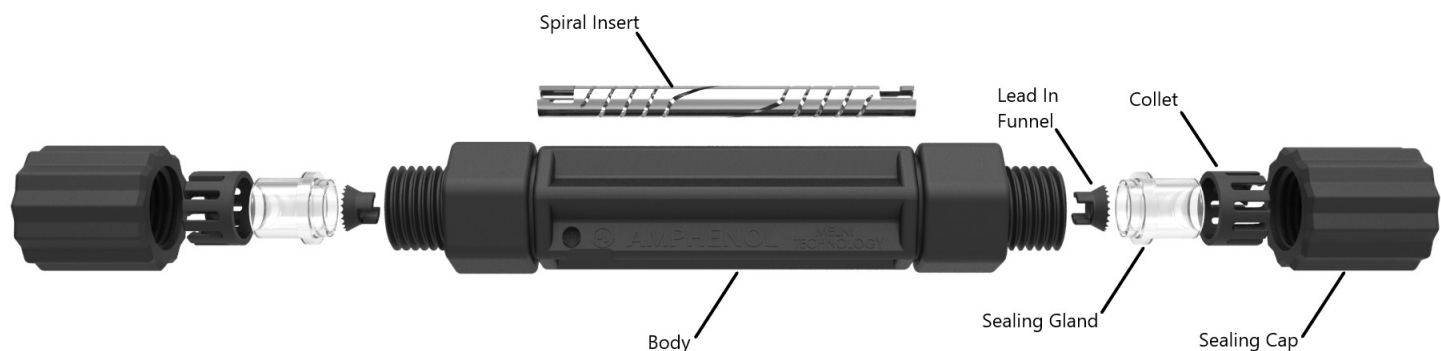


# RadCrimp™ Solar Splice with Melni Spiral Termination Technology



## Technical Data

Rated Voltage	UL6703 1500V DC
Rated Current ( UL)	20A(4.0mm <sup>2</sup> /12AWG), 30A(6.0mm <sup>2</sup> /10AWG)
Typical Contact Resistance	≤ 0.10mΩ, TYP
Insulation Material	Thermoplastic (PC/PA)
Contact Material	Tin over nickel plated copper alloy
Cable Strain Relief	Compression sealing gland featuring cable insulation gripping collet and torque specified sealing cap
Application Class	Class A
Over Voltage Category	III
Degree Protection	IP68 (1 meter, 1 hour) mated
Flame Class	UL94-V0
Cable OD Range	Ø6.0mm ~ Ø7.4mm
Cable Strands Range	7 ~ 60 strands
Pollution Degree	2
Safety Class	Class II
Ambient Temperature Range	-40°C ~ +85°C
Upper Limiting Temperature	120°C
UV Resistance	Outdoor suitable (f1) rated materials, per UL746C



## How to Order RadCrimp™ Solar Splice with Melni Spiral Termination Technology (please choose one code per position, below)

1		2		3		4	
Product Line		Product Type		Contact Size		Terminal Type	
AMPV	Amphenol Solar Connector (Amphe-PV)	STS	Melni Spiral Termination	4*	4.0mm <sup>2</sup> /12 AWG 6.0mm <sup>2</sup> / 10AWG	M	Machined Terminal

\* Contact size "4" works for 4.0mm<sup>2</sup>/12 AWG & 6.0mm<sup>2</sup>/10AWG PV wire

Tools and Accessories	Ordering Code
Strip Tool	H4TS0000
Wrench Tool	AMPVTW0001



Wrench Tool



Strip Tool

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