

# Amphenol+MELNI TECHNOLOGIES



## RadCrimp® Solar Splice with Melni Spiral Termination Technology

Amphenol Industrial Operations offers the RadCrimp® Solar Splice, certified to meet UL and IEC62852 1500V DC standards and featuring Melni spiral termination technology. This groundbreaking solution eliminates improper mating, streamlines installation by eliminating the need for crimping and expensive equipment, and enhances safety. RadCrimp® represents a leap forward in solar splice technology, providing a reliable and efficient connection solution for the evolving solar industry. It reflects Amphenol's commitment to excellence and innovation in the field.

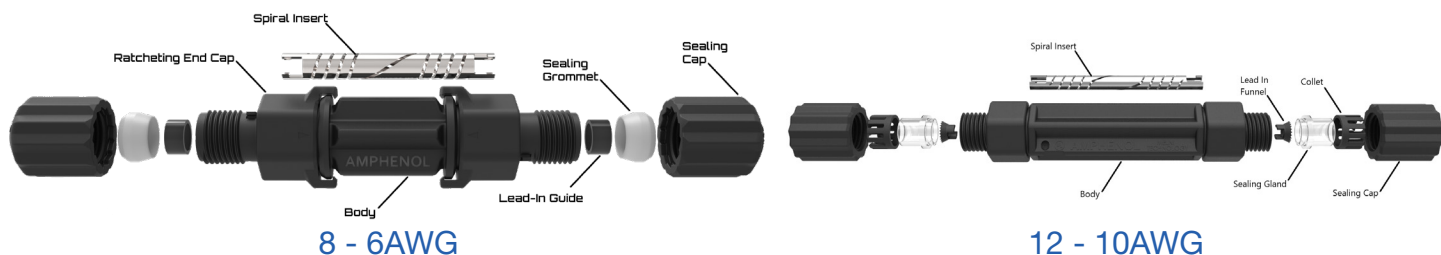
### Features:

- Simple and fast termination
- Field termination and sealing without special crimp tools
- Available for 12~ 6 AWG PV wires
- IP68 Sealing protection
- Certified according to UL6703 and IEC62852 1500V DC
- The revolutionary spiral termination technology is the solution for low resistance and long term reliability



**Technical Data**

<b>Rated voltage</b>	UL6703 & IEC62852 1500V DC
<b>Rated current ( UL)</b>	20A (4.0mm <sup>2</sup> / 12AWG), 30A (6.0mm <sup>2</sup> / 10AWG) 50A (10.0mm <sup>2</sup> / 8AWG) , 65A (16mm <sup>2</sup> / 6AWG)
<b>Insulation material</b>	Thermoplastic (PC/PA)
<b>Contact material</b>	Tin over nickel plated copper alloy
<b>Application class</b>	Class A
<b>Overvoltage category</b>	III
<b>Degree of protection</b>	IP68 (1 meter, 24 hours) mated
<b>Flame class</b>	UL94-V0
<b>Cable OD range</b>	Ø6.0mm ~ 7.4mm (12 / 10AWG) Ø8.0mm ~ 9.3mm (8 / 6AWG) Ø8.8mm ~ 10.2mm (8 / 6AWG)
<b>Cable strands range</b>	7 ~ 60 strands (12AWG / 10AWG) 7 ~ 19 strands (6AWG / 16mm <sup>2</sup> ) 19 ~ 168 strands (8AWG / 10mm <sup>2</sup> )
<b>Pollution degree</b>	2
<b>Safety class</b>	Class II
<b>Ambient temperature range</b>	-40°C ~ +85°C
<b>Upper limiting temperature</b>	115°C
<b>UV resistance</b>	Outdoor suitable(fi) rated materials, per UL746C



8 - 6AWG

12 - 10AWG

**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		Cable Size		Terminal Type	
AMPV	Amphenol Solar connector (RadCrimp®)	STS	Spiral termination	4	Ø6.0mm ~ 7.4mm (12 / 10AWG)	M	Machined Terminal
				8	Ø8.0mm ~ 9.3mm (8 / 6AWG)		
				9	Ø8.8mm ~ 10.2mm (8 / 6AWG)		

Tools	Ordering Code
Wrench tool for 12AWG & 10AWG	AMPVTW0001
Wrench tool for 8AWG & 6AWG	AMPVTW0002



AMPVTW0001

AMPVTW0002

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