

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

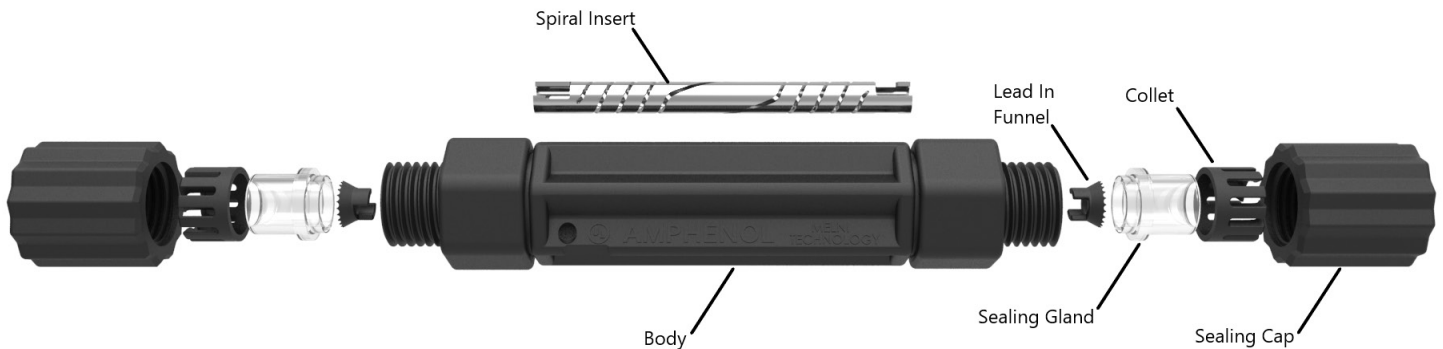


RadCrimp™ Solar Splice with Melni Spiral Termination Technology



Technical Data

| | |
|----------------------------|---|
| Rated Voltage | UL6703 1500V DC |
| Rated Current (UL) | 20A(4.0mm ² /12AWG), 30A(6.0mm ² /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 ² /12 AWG 6.0mm ² / 10AWG | M | Machined Terminal |

* Contact size "4" works for 4.0mm²/12 AWG & 6.0mm²/10AWG PV wire

Tools and Accessories

Ordering Code

| | |
|-------------|------------|
| Strip Tool | H4TS0000 |
| Wrench Tool | AMPVTW0001 |



Wrench Tool



Strip Tool

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