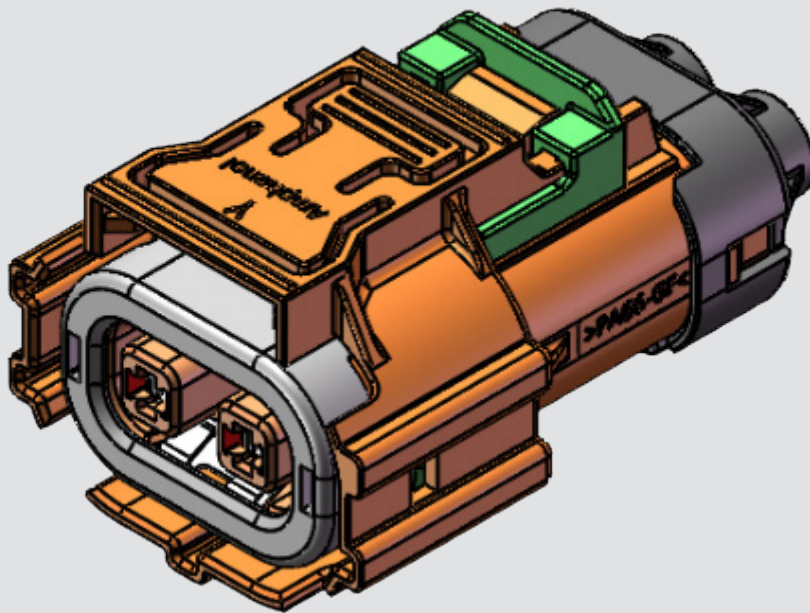


CABLE ASSEMBLY WORK INSTRUCTION

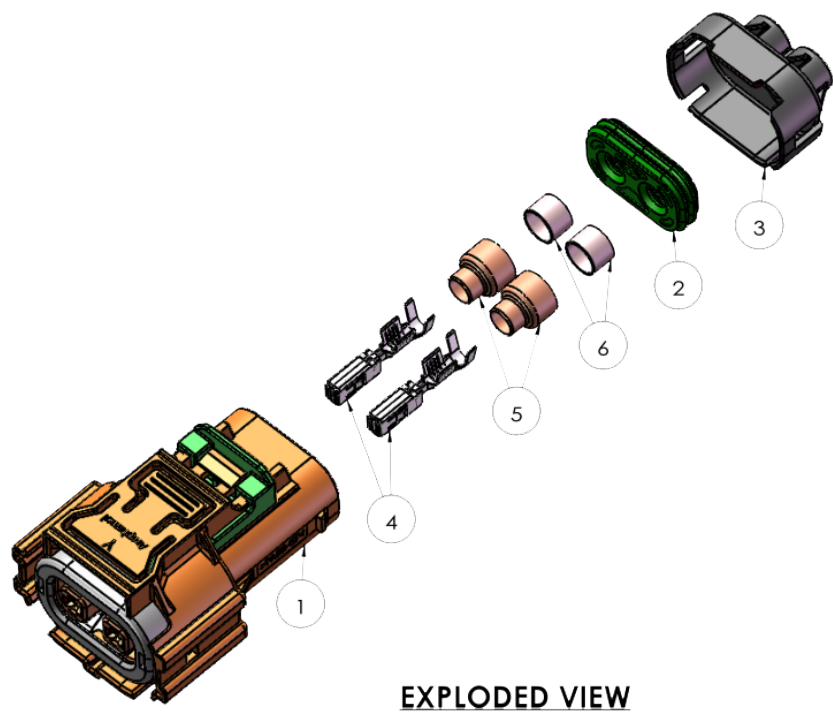
ePower-Lite Mini



Part 1: Package Contents

1. Package Contents

- 1: Plug Shell assembly
- 2: Grommet
- 3: Cable Cover
- 4: Socket contact
- 5: Outer Ferrule
- 6: Inner Ferrule

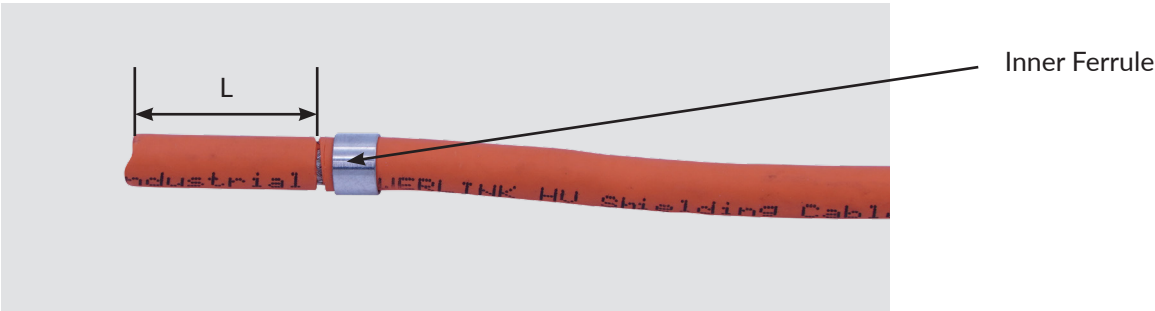


2. Recommended wire specification

Wire Size	Wire OD (mm)	Recommended Min. Pullout force (N)
4.0mm ²	5.8 ± 0.2	325

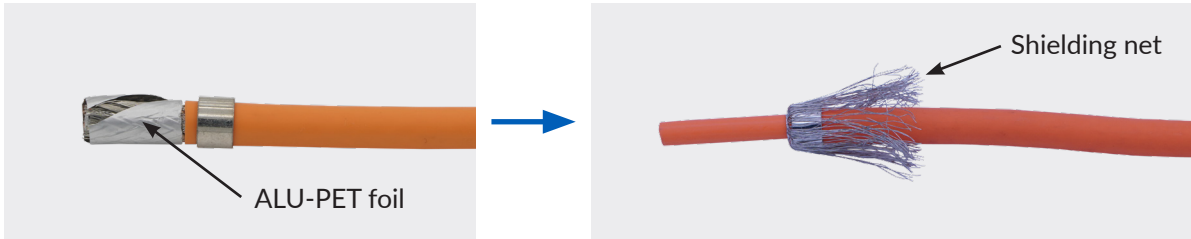
Part 2: Assembly

Step 1: Installing the inner ferrule for 4mm² wire then cutting and stripping the jacket.

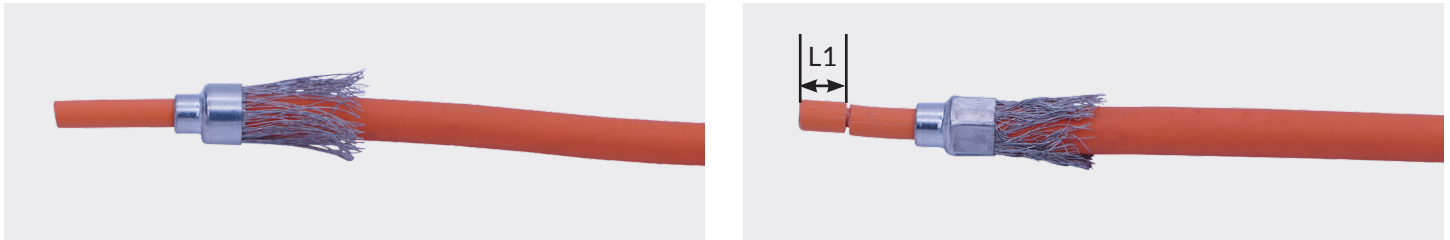


Item	2 Ports (Include all cable sizes)
L	21.5 ± 0.5 mm

Step 2: Strip out ALU-PET foil, evenly disperse and bend the shielding net, ensure the inner ferrule is in close contact with shielding wire.

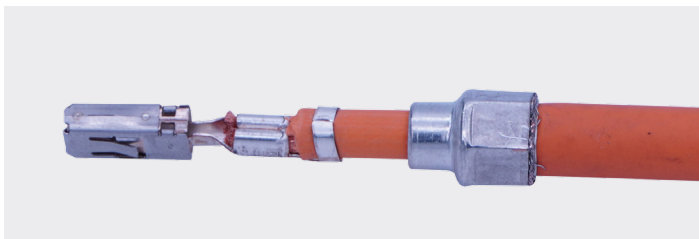


Step 3: Assemble the outer ferrule and crimping to right crimp height (7.5 ± 0.1 mm), cutting and the jacket.



Item	2 Ports (Include all cable sizes)
L1	5.8 ± 0.2 mm

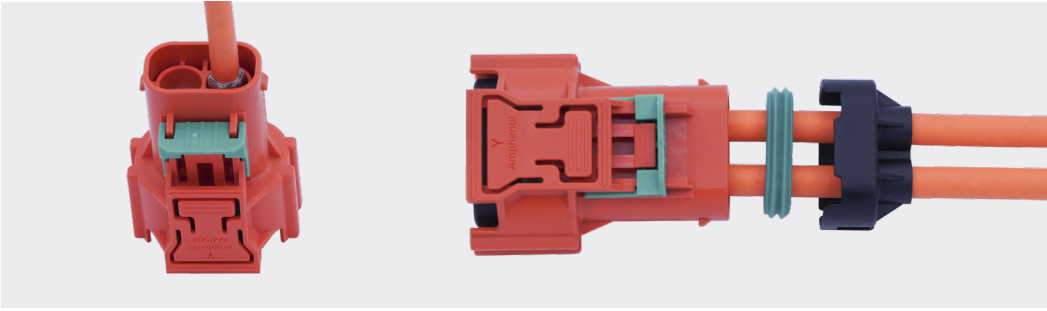
Step 4: Stripping the jacket and cut off the exposed shielding wire of cable, crimping the terminal by right crimping tool.



Recommended manual crimping tool as below (P/N: FX3-0094-000):



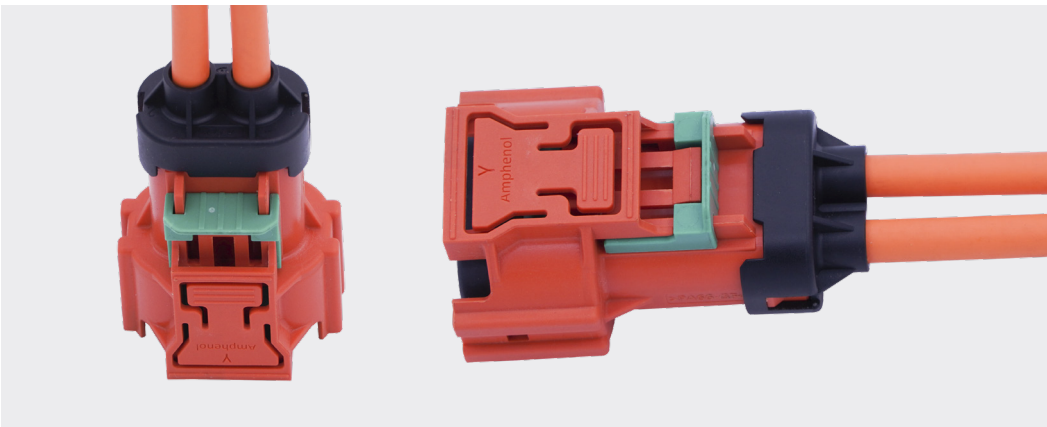
Step 5: Insert the contact with cable assembled into the plug shell, the collar snapped into the shoulder of the hole.



Step 6: Install the cable grommet.



Step 7: Install the cable cover



Notes:

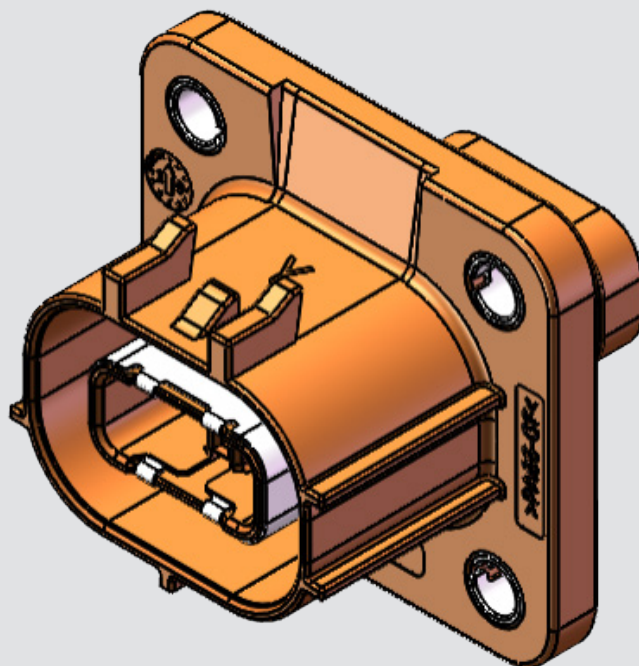
Need to do Insulation Resistance and DWV test after cable assembly

Insulation Resistance test: 600V DC, 500M Ω Min, 60s

DWV test: 2200V AC, leakage current $\leq$ mA, 60s

CABLE ASSEMBLY WORK INSTRUCTION

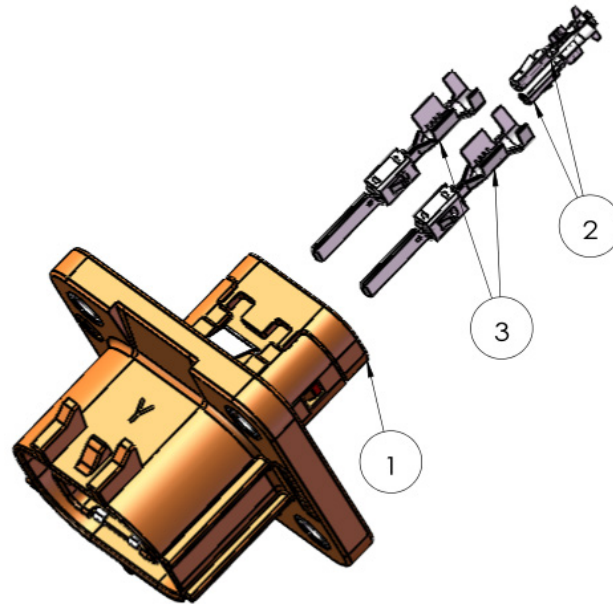
ePower lite Mini Series Receptacle Connector



Part 1: Package Contents

1. Package Contents

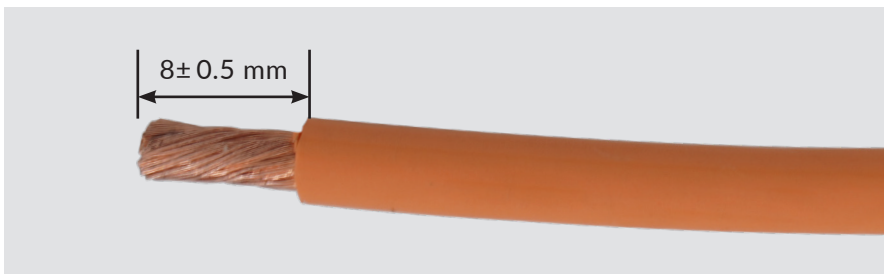
- 1: Receptacle Shell Assembly
- 2: Power Pin Contact
- 3: Socket Contact



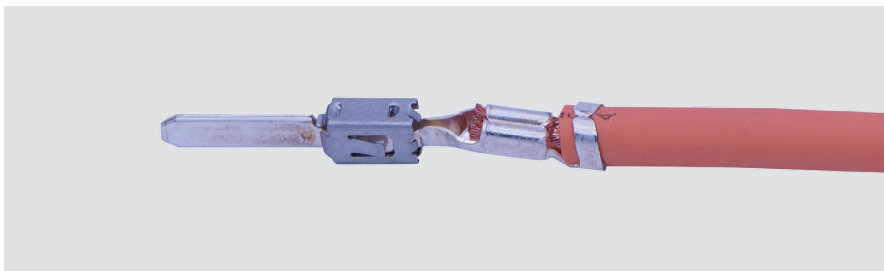
EXPLODED VIEW

Part 2: Assembly Steps for Power Pin

Step 1: 4mm² wire cutting and stripping jacket dimensions

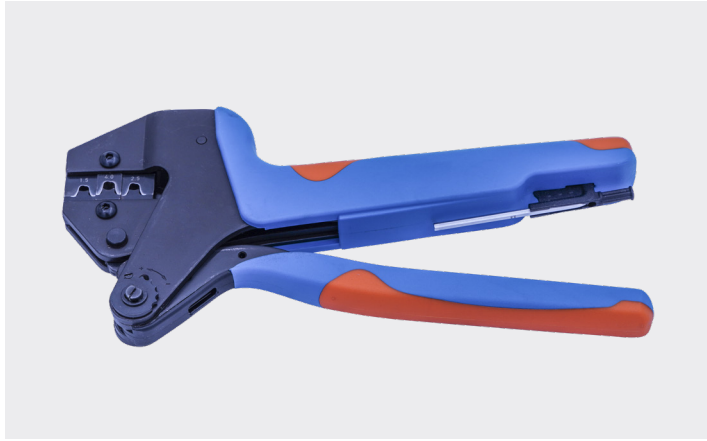


Step 2: Insert conductor into hole of socket and crimping use right crimping tool

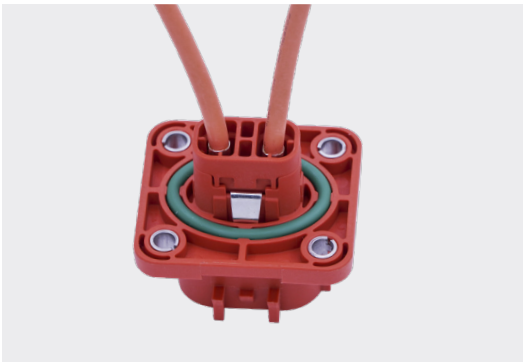


Wire Size	Recommended Min. Pullout force (N)
4.0mm ²	325

Recommended manual crimping tool as below (P/N: FX3-0094-000):



Step 5: Insert the contact with cable assembled into the plug shell, the collar snapped into the shoulder of the hole.

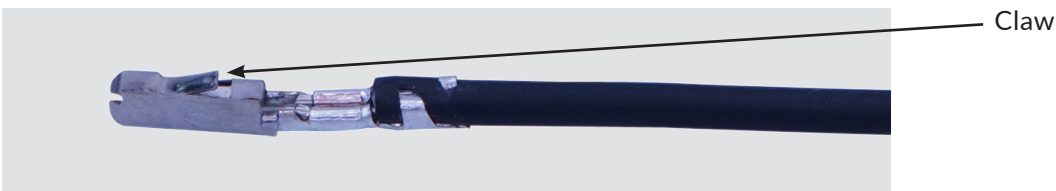


Part 3: Assembly Steps for HVIL pin

Step 1: Wire cutting and stripping the jacket



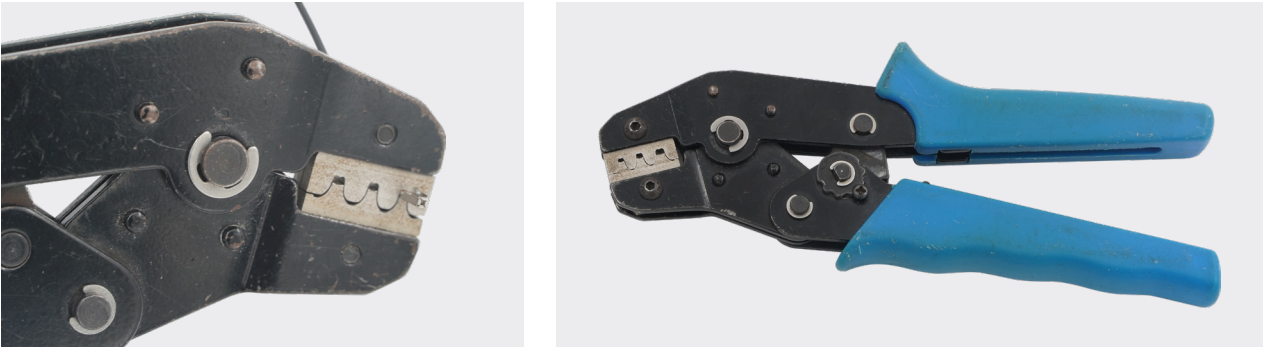
Step 2: Insert conductor into hole of socket and crimping use right crimping tool



Recommended HVIL Wire Specification

Receptacle	HVIL Wire Size	Recommended Min. Pullout force (N)
2 ports	22 AWG	40
	20 AWG	60

Recommended Crimping tool as below (P/N: FX3-0095-000):



Step 3: Insert the HVIL contacts into the receptacle shell assembly, the claws face to the sides

