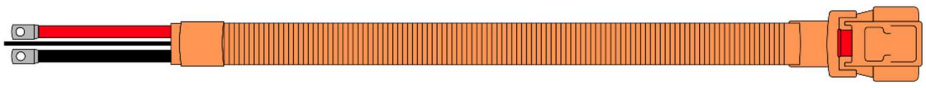
Gen 2 Cables

Dual All-in-one

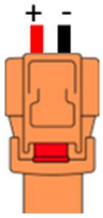


All-in-one to ring terminal

In some circumstances it may be required to convert a dual All-in-one to cable to have ring terminals at one end for connection to a Gen 1 inverter or battery.

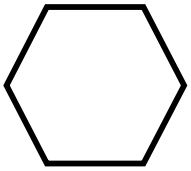
1 – Cut off one end of the cable

2 – Identify the correct polarity



With the red securing pin of the plug facing you the positive will be on the left hand side. It is vital to correctly label the positive and negative cables correctly to prevent reverse polarity, this should be done with + Red and - Black tape (+ Brown and - Grey are also acceptable).

3 – Terminate the cables

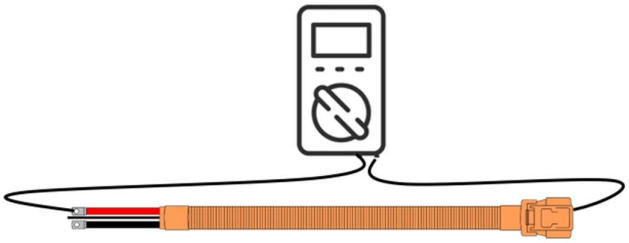


Crimp on eyes are required to terminate the cables correctly. The crimp on eye required is a '16-8', 16mm cable entry with a 8mm hole. It is important that the crimp on eyes make a solid connection with the cable, we recommend using a hex style crimper whenever possible. A 'tug test' should be performed on both connections to ensure a solid connection.

4 – Test

Once the cables are terminated into the crimp on eyes, a tug test has been performed and both cables are correctly labelled a polarity test should be performed.

Using a test meter with a resistance function one probe should be inserted into the positive side of the All-in-one plug and the other to the + ring terminal, this should come back with no or a very low resistance <0.02Ω.



Moving the probes to the – connections the same test can be performed. If no result is given or a high resistance is found check connections.

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