

## Battery Comms Cable - Test and Replacement (Error 714)

### **Disclaimer**

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This document uses an SH5K-20 inverter as an example for explanation. Sungrow SH5K-20 Inverters come supplied with a 2m length of CAN cable to connect the battery. The protocol is T-568B.

However, RJ45 cables can easily get damaged and the connections can become unreliable. This can cause a communication failure with the Battery (Error 714).

Testing with a multi meter can have mixed results and is not always reliable, and the best and quickest test is to replace the cable.

This is best done by cutting the RJ45 plug off one end of a pre-made patch lead and terminating **the CAN H and CAN L terminals**.

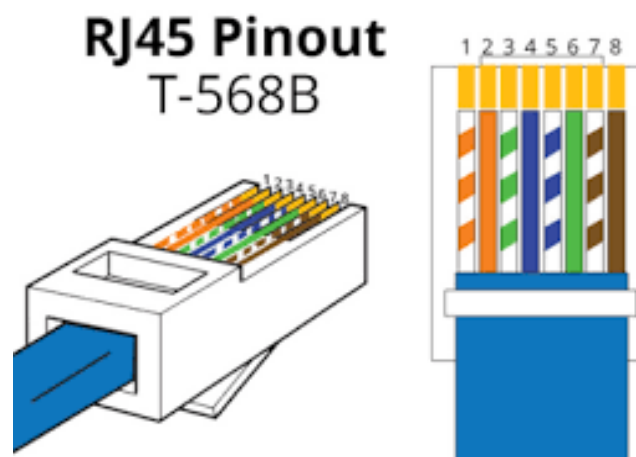


Figure 1 RJ45 Pinout

Please terminate the inverter end as per the table below:

Table 1 Terminals

Designation	Colours	Corresponding Pins
CAN H	Green + Blue (solid)	6 + 4
CAN L	Wh/G + Wh/Bu	3 + 5

Always terminate with ferrule crimps (Bootlace) to ensure reliable connection.



Figure 2 Ferrule crimps

If the issue persists, please take photos testing on site and contact Sungrow Service Department on 1800 786 476.