

## Eaton Hot sync Cable Test Report

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### Health and Safety

This test script shall list all safety requirements and PPE required whilst performing the below tasks. Install batteries as described in the Lithium Ion Installation Manual.

- Safety hard hat
- Safety glasses
- Safety Ark flash high visibility clothing (jacket and trousers)
- Safety Ark Flash gloves
- Safety ankle support boots (no riggers)

Furthermore, **whenever working on batteries ensure that:**

- Only use insulated tools.
- Remove all metal Jewellery and watches etc.
- Eye wash facilities to be stored in a known and locally accessible location.

### General Notes

- A calibrated Insulation Resistance Meter and Digital Multimeter must be used, and the certificates of calibration attached to these results.
- **All Control cables must be disconnected and not touching any other cable or equipment at either end.**

### Equipment Details

UPS S/N (From)	
Eaton UPS Model No.	9395P 1200kW 1263kVA
UPS S/N (To)	

## Eaton Hot Sync Cable Point to Point tests

These tests are required to ensure that cable have been installed and identified correctly and no circuits have been crossed or polarity swapped. The starting point for the test is with ALL Signal cables disconnected and isolated at both ends. Using a test jumper lead, at the first UPS, connect the first core cable to the UPS earth. At the second UPS, use a digital Multimeter to measure the resistance to earth on all cables. Ensure that only the expected cable has a resistance below  $1\Omega$ . All other cables should read open circuit. Once the correct cable has been confirmed, ensure it is correctly labelled. Change the jumper test lead on to the next cable and repeat until all cables have been tested.

Digital Multimeter Make/Model		
Digitalmulti Meter Serial Number		
Digital Multimeter Date of last calibration		
Cable	Point to point test confirms correct cable at each end (✓ / ✗)	Cable fitted with correct cable ID at each end (✓ / ✗)
Signal Cable Core 1		
Signal Cable Core 2		
Signal Cable Core 3		

Final QA and Sign Off			
		Yes	No
The calibration certificate for the digital Multimeter has been uploaded to Compass.			
Engineer Name		Signature	
Date			