

FORM

LDMS HV ABC Commissioning Test Report

Job Title: _____

Cable Circuit Details			
Test Instrument Model		Instrument No.	
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Tested by		Date	
Cable type details			

1. All circuits identified and labelled Yes - No -
2. Continuity / Phase Sequence Tests passed Yes - No -
3. Catenary is Earthed
4. Insulation Mains Voltage "Soak" Test (optional) (refer to CC011)
5. Post "Soak" Test – Insulation Megger Test (optional)
6. **Sheath Integrity Test**

SHEATH INTEGRITY TEST 1 KV for PVC Outer Sheath	
Screen wires to Earth	Resistance
Red	MΩ
White	MΩ
Blue	MΩ

7. Insulation Resistance Test

INSULATION RESISTANCE TEST 5KV				
Phase to Screen - All Cables	1 min. reading	10 min. reading	Polarisation Index	Phase Comparison
Red	MΩ	MΩ		
White	MΩ	MΩ		
Blue	MΩ	MΩ		

Polarisation Index = ten minute reading / one minute reading 2.

8. Commissioning Test Results Pass Criteria

Test Between	Test Result	Pass/ Fail
Sheath integrity	>1MΩ	Pass: <input type="checkbox"/> Fail: <input type="checkbox"/>
Phase to Phase	>10,000 MΩ (10GΩ)	Pass: <input type="checkbox"/> Fail: <input type="checkbox"/>
Catenary to Earth	Solid Short Circuit	Pass: <input type="checkbox"/> Fail: <input type="checkbox"/>
VLF Test	Phase to screen	Pass: <input type="checkbox"/> Fail: <input type="checkbox"/>
"Soak" Test	No breakdown	Pass: <input type="checkbox"/> Fail: <input type="checkbox"/>

Commissioning Test Passed: Yes - No -

Comments			
Signed:			Date: