Winnipeg	**INSPECTION FORM** **POWER CABLE < 1000V**	Page 1 of 1 Cable ID:

Project		
	Facility:	Project Name:
	Area :	Bid Opportunity:

Cable Data				
	Source:		Dest. / Load:	
	Manufacturer:	Type:	Conductor: ☐ Copper ☐ Aluminum	
	No. of Conductors:	Size: ☐ AWG ☐ MCM	Length: m ☐ Measured ☐ Jacket Markings	☐ Previous Data ☐ TDR
	Rated Voltage: V	Operating Voltage: V	Date Installed:	
	Installation: ☐ Cable Tray ☐ Strapped	☐ EMT ☐ Steel Conduit	☐ Alum. Conduit ☐ PVC Conduit	☐ Direct Buried ☐ Underground Duct Other:

Visual Inspection				
	Physical Damage on Exposed Ends:	☐ Yes ☐ No	Cable Identification Tag Installed:	☐ Yes ☐ No
	Visual Signs of Overheating:	☐ Yes ☐ No	Cable Supported Appropriately:	☐ Yes ☐ No
	Bend Radius Acceptable:	☐ Yes ☐ No	Comments:	

Insulation Resistance Test

Test Preparation:
Source: ☐ Disconnected ☐ Connected with Source Isolated
Cable Dest. / Load: ☐ Disconnected ☐ Connected with Load Isolated
Note: Approval of City's Representative is required, prior to leaving cables connected during the test.

Cable Temperature: °C Temperature Correction Factor for 20°C:
Ground all conductors not under test for each reading.

Test Voltage		**Insulation Resistance (MΩ)**				**Test Summary**
		A-GND	**B-GND**	**C-GND**	**N-GND**	
V	Reading					☐ Test Passed ☐ Test Inconclusive Further Investigation Required. ☐ Test Failed
	Corrected to 20°C					

Utilize 1000VDC Test Voltage for 600V rated cables, 500VDC for cables rated <= 300V.

Comments:

Connection Resistance

Note: Torque check required for all cables. Connection Resistance Test required for cables 4/0 AWG or larger.

Termination	**Connection Resistance (μΩ) - As Left**				**Torque Check**
	A	**B**	**C**	**N**	
Source					☐ OK
Dest. / Load					☐ OK

Comments:

Final Analysis			
	Cable Returned to Service:	☐ Yes ☐ No	Comments:
	Monitoring / Further Inspection Required:	☐ Yes ☐ No	
	Repair / Replacement Required:	☐ Yes ☐ No	

	Company	**Name**	**Signature**	**Date** (yyyy/mm/dd)
Performed By				
Checked By				

Winnipeg	**INSPECTION FORM** **MOTOR STARTER, FVNR, 600V**	Page 1 of 2 ID:

Project		
	Facility:	Project Name:
	Area :	Bid Opportunity:

Starter Data						
	Load:		Starter Location:			Cell #:
	Manufacturer:	Type:			Serial #:	
	Size:	Rated Voltage: V		Current Rating: A		Control Voltage: V
	Circuit Protection:	☐ Fused Disc.	Rating: A	Fuse Size: A	Fuse Mfg.	
					Model:	
		☐ Breaker ☐ MCP	Rating: A	Inst. Setting: A	Manufacturer:	
					Model:	
	Overload Protection:	☐ Thermal ☐ Electronic	Class: ☐ 10 ☐ 20 ☐ 30 ☐ Unknown	Setting / Rating: A	Manufacturer:	
					Model:	
	Control Power Transformer:	Size: VA	Sec. Voltage: V	Primary Fuse: A	Secondary Fuse: A	
	Current Transformer:	Ratio:	Type:			

Motor Data				
	ID:	Size: kW / HP		Voltage: V
	Full Load Amps: A	Service Factor: ☐ 1.00 ☐ 1.15	Other:	

Visual Inspection / Cleaning				
	Starter Identification Tag Installed: ☐ Yes ☐ No		Visual Signs of Overheating: ☐ Yes ☐ No	
	Cleanliness (As Found): ☐ Good ☐ Acceptable ☐ Poor		Support Insulators: ☐ Good ☐ Acceptable ☐ Poor	
	Connections ☐ Good ☐ Acceptable ☐ Poor		Electro/Mechanical Interlock: ☐ Good ☐ Acceptable ☐ Poor	
	Ground Connection: ☐ Good ☐ Acceptable ☐ Poor		Contactor Condition: ☐ Good ☐ Acceptable ☐ Poor	
	Door Mechanical ☐ Good ☐ Acceptable ☐ Poor		Contact Alignment: ☐ Good ☐ Acceptable ☐ Poor	
	Verify O/L element is correctly sized for the load: ☐ Yes ☐ No		Exercise Circuit Breaker/MCP/Disconnect ☐ Yes	
	Cables Supported Appropriately: ☐ Yes ☐ No		Unit Cleaned: ☐ Yes	Photograph Taken: ☐ Yes
	Comments:			

Contact/Pole Measurements	**Test**	**A**	**B**	**C**	**Test Summary**
	Contact Resistance (μΩ)				☐ Test Passed ☐ Test Inconclusive Further Investigation Required. ☐ Test Failed
	Disconnect / Breaker / MCP Resistance (μΩ)				
	Fuse Resistance (μΩ)				
	Comments:				

Winnipeg	**INSPECTION FORM** **MOTOR STARTER, FVNR, 600V**	Page 2 of 2 ID:

Insulation Resistance Test

Test Preparation: Source: ☐ Isolated Contactor: ☐ Open Cable Dest. / Load: ☐ Disconnected ☐ Connected with Load Isolated

Note: Approval of City's Representative is required, prior to leaving cables connected during the test.

Test	Voltage	Insulation Resistance (MΩ)			Ground all phases not under test!
		A	B	C	
Contactor Line To GND	1000 VDC				**Test Summary** ☐ Test Passed ☐ Test Inconclusive Further Investigation Required. ☐ Test Failed
Contactor Load To GND	1000 VDC				
Contactor Line to Load	1000 VDC				

Comments:

Final Analysis

Returned to Service:	☐ Yes	☐ No	Comments:
Monitoring / Further Inspection Required:	☐ Yes	☐ No	
Repair / Replacement Required:	☐ Yes	☐ No	

	Company	**Name**	**Signature**	**Date** (yyyy/mm/dd)
Performed By				
Checked By				

Note: The person performing the check is responsible for ensuring that the data is transcribed from the handwritten form correctly, and that the analysis results are correct.