CS-4225B (11-05)
(Reproduce Locally)

CONDUCTOR INSULATION RESISTANCE TEST

☐ SIGN LIGHTING

☐ HIGHWAY LIGHTING

COUNTY	TOWNSHIP	SR & SEC	PROJECT NO.

TEST PERFORMED BY	TEST WITNESSED BY	INSPECTOR-IN-CHARGE
_____	_____	_____

SEE PUB 408, SECTION 910.3(U) PROVIDE RESISTANCE TO GROUND OF ALL CONDUCTORS NOT LESS THAN SHOWN.

PROVIDE RESISTANCE BETWEEN CONDUCTORS NOT LESS THAN TWO TIMES THE VALUES SHOWN.

DATE _____

SUPPLY POLE _____

CIRCUIT NO. _____

CABLE TYPE _____

TEMPERATURE _____

CABLE TYPE	Min MEGOHMS RESISTANCE *		
	5.23-13.3 mm2 (AWG 10-6)	21.1-42.5 mm2 (AWG 4-1)	53.4-67.5 mm2 (AWG 1/0-2/0)
Cross-linked Polyethylene RHW, RHH, USE	2000	1500	1300
Cross-linked Polyethylene XHHW	1600	1100	900
Rubber Neoprene RHW	500	350	500
PVC Without Jacket THW	140	120	100

* GIVEN PER 305m (1000 ft) AT 15.6 ° C (60° F)

SOIL CONDITIONS ☐ DRY ☐ NORMAL ☐ SATURATED

TYPE INSTALLATION ☐ DIRECT EARTH BURIAL ☐ NON-METALLIC CONDUIT ☐ METALLIC COUDUIT

SOIL CLASSIFICATION _____

ISOLATE THE NEUTRAL CONDUCTOR FROM GROUND AND LOAD CONNECTIONS. ISOLATE THE UNDERGORUND CONDUCTORS FROM LOAD CONNECTIONS FOR THIS TEST.

TEST CONDUCTORS IN EACH CIRCUIT AT SUPPLY LOCATION. THE CONDUCTORS SHALL BE MADE CONTINUOUS BY CONNECTING AT EACH SPLICE LOCATION.

USE ONE TEST SHEET FOE EACH CIRCUIT.

CONDUCTOR	RESISTANCE MEGOHMS	COMMENTS
Conductor 1 to Ground		
Conductor 2 to Ground		
Neutral to Ground		
Conductor 1 to Neutral		
Conductor 2 to Neutral		
Conductor 1 to Conductor 2		