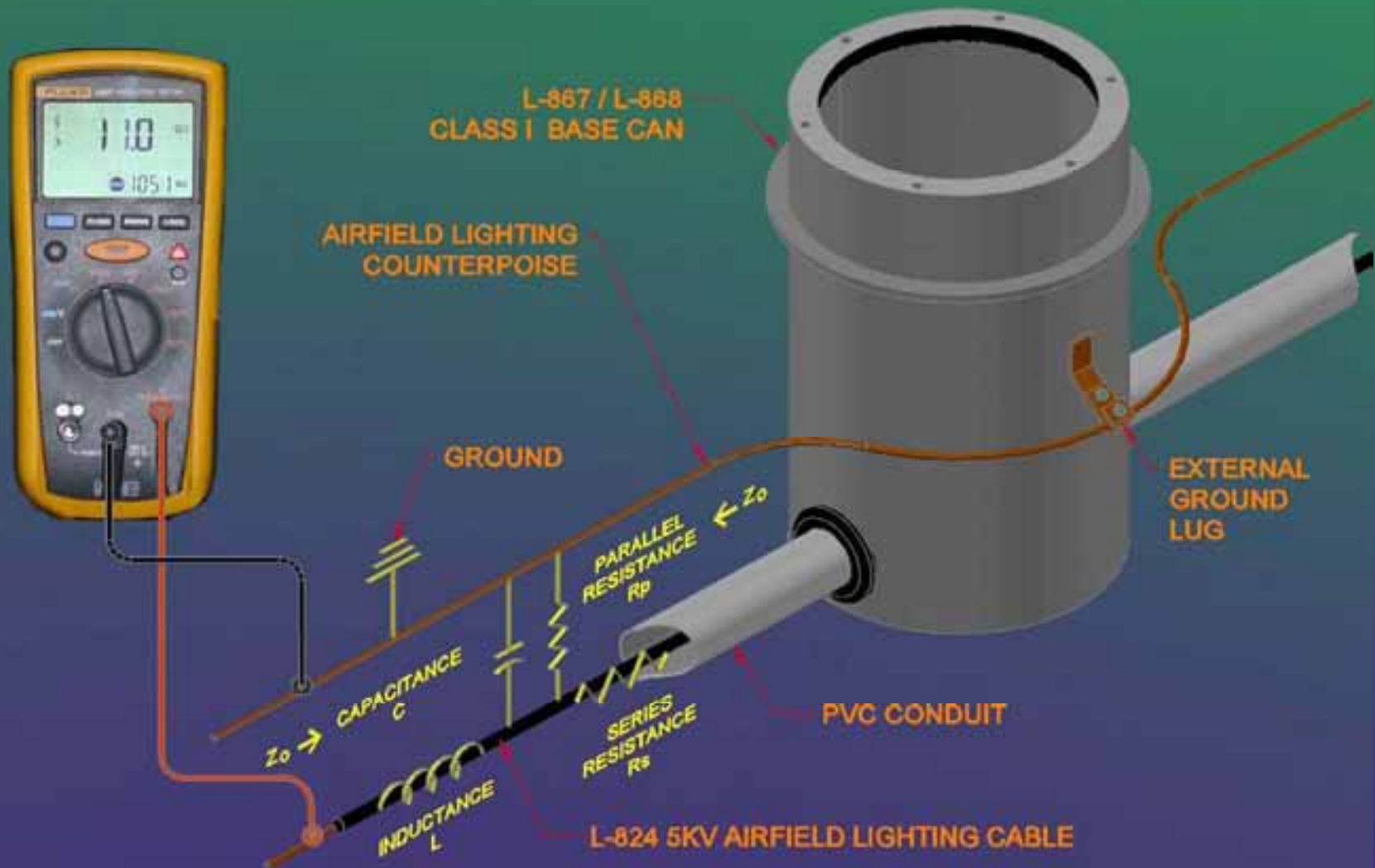
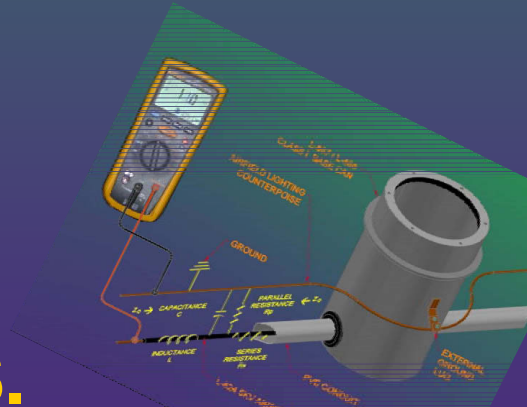


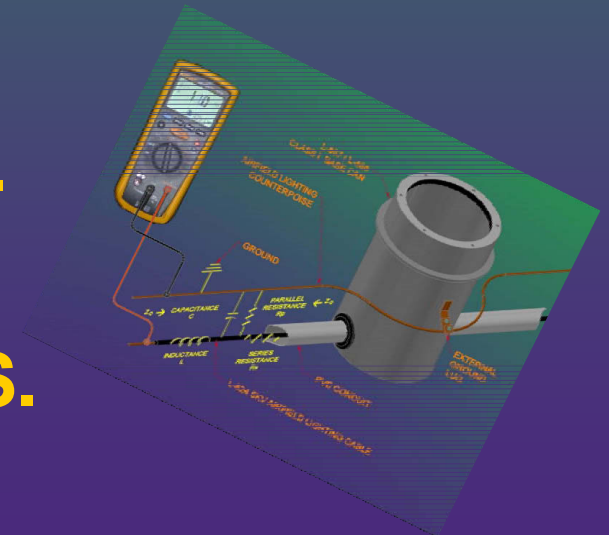
INSULATION RESISTANCE TESTING



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RECOMMENDED TEST PROCEDURE

1. PERFORM A SHORT TIME RESISTANCE TEST.
 2. TEST SEVERAL HOURS AFTER OPERATION.
 3. TEST PROCEDURE MUST BE REPEATABLE.
 4. USE 1000 VOLT TEST VOLTAGE.
 5. OBSERVE TESTER POLARITY.
 6. TEST FOR TWO MINUTES.
 7. APPLY TCF TO TEST RESULTS.
 8. RECORD TC TEST RESULTS.
 9. GRAPH THE TC TEST RESULTS.
- 
- The diagram illustrates the setup for a short time resistance test on a lamp fixture. A digital multimeter is connected to the fixture's internal wiring. The test voltage is applied across the lamp socket terminals. The diagram labels the following components and connections:
- TESTER:** A digital multimeter with a display showing '1.00'.
 - WIRING:** The internal wiring of the lamp fixture, including the lamp socket and the internal wiring harness.
 - GROUND:** The ground connection for the test setup.
 - EXTERNAL CIRCUIT:** The external circuit connected to the fixture.
 - INTERNAL RESISTANCE:** The resistance measured across the lamp socket terminals.
 - INTERNAL CAPACITANCE:** The capacitance measured across the lamp socket terminals.
 - INTERNAL INDUCTANCE:** The inductance measured across the lamp socket terminals.
 - INTERNAL RESISTANCE (R₁):** The resistance measured across the lamp socket terminals.
 - INTERNAL CAPACITANCE (C₁):** The capacitance measured across the lamp socket terminals.
 - INTERNAL INDUCTANCE (L₁):** The inductance measured across the lamp socket terminals.



DRAKA TC TABLE

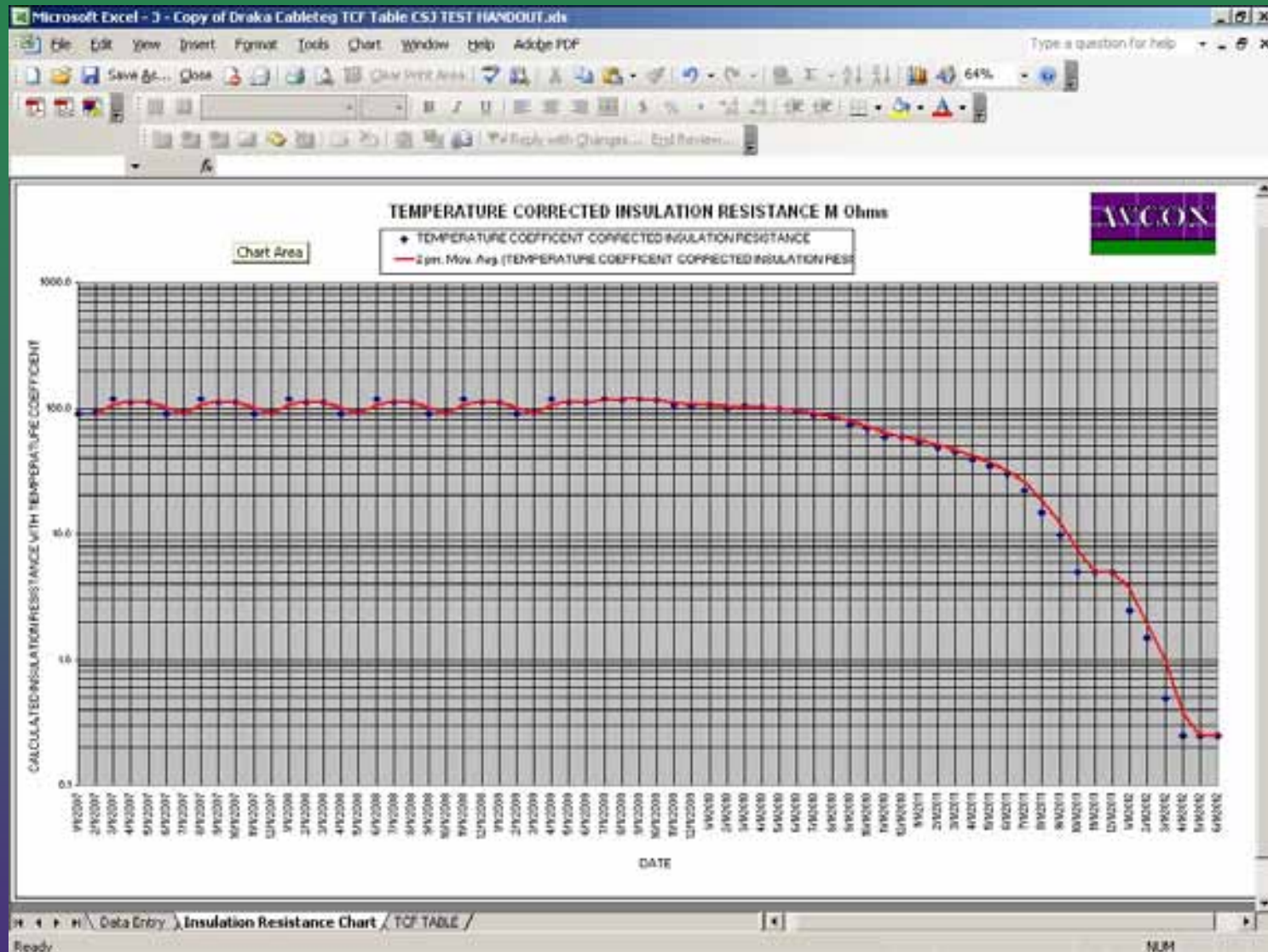
1.03 TEMPERATURE CORRECTION FACTOR FOR ALL DRAKA L-824B AND L-824C CABLES

1.04 TEMPERATURE CORRECTION FACTOR FOR "RULE-OF-THUMB"

60 DEGREE FAHRENHEIT BASE TEMPERATURE

TEMPERATURE 1°F COEFFICIENT				TEMPERATURE 1°F COEFFICIENT				TEMPERATURE 1°F COEFFICIENT				TEMPERATURE 1°F COEFFICIENT			
°F	°C	1.03	1.04	°F	°C	1.03	1.04	°F	°C	1.03	1.04	°F	°C	1.03	1.04
-24	-31.1	0.08	0.04	11	-11.7	0.23	0.15	46	7.8	0.66	0.58	81	27.2	1.86	2.28
-23	-30.6	0.09	0.04	12	-11.1	0.24	0.15	47	8.3	0.68	0.60	82	27.8	1.92	2.37
-22	-30.0	0.09	0.04	13	-10.6	0.25	0.16	48	8.9	0.70	0.62	83	28.3	1.97	2.46
-21	-29.4	0.09	0.04	14	-10.0	0.26	0.16	49	9.4	0.72	0.65	84	28.9	2.03	2.56
-20	-28.9	0.09	0.04	15	-9.4	0.26	0.17	50	10.0	0.74	0.68	85	29.4	2.09	2.67
-19	-28.3	0.10	0.05	16	-8.9	0.27	0.18	51	10.6	0.77	0.70	86	30.0	2.16	2.77
-18	-27.8	0.10	0.05	17	-8.3	0.28	0.19	52	11.1	0.79	0.73	87	30.6	2.22	2.88
-17	-27.2	0.10	0.05	18	-7.8	0.29	0.19	53	11.7	0.81	0.76	88	31.1	2.29	3.00
-16	-26.7	0.11	0.05	19	-7.2	0.30	0.20	54	12.2	0.84	0.79	89	31.7	2.36	3.12
-15	-26.1	0.11	0.05	20	-6.7	0.31	0.21	55	12.8	0.86	0.82	90	32.2	2.43	3.24
-14	-25.6	0.11	0.05	21	-6.1	0.32	0.22	56	13.3	0.89	0.85	91	32.8	2.50	3.37
-13	-25.0	0.12	0.06	22	-5.6	0.33	0.23	57	13.9	0.92	0.89	92	33.3	2.58	3.51
-12	-24.4	0.12	0.06	23	-5.0	0.33	0.23	58	14.4	0.94	0.92	93	33.9	2.65	3.65
-11	-23.9	0.12	0.06	24	-4.4	0.35	0.24	59	15.0	0.97	0.96	94	34.4	2.73	3.79
-10	-23.3	0.13	0.06	25	-3.9	0.36	0.25	60	15.6	1.00	1.00	95	35.0	2.81	3.95
-9	-22.8	0.13	0.07	26	-3.3	0.37	0.26	61	16.1	1.03	1.04	96	35.6	2.90	4.10
-8	-22.2	0.13	0.07	27	-2.8	0.38	0.27	62	16.7	1.06	1.08	97	36.1	2.99	4.27
-7	-21.7	0.14	0.07	28	-2.2	0.39	0.29	63	17.2	1.09	1.12	98	36.7	3.07	4.44
-6	-21.1	0.14	0.08	29	-1.7	0.40	0.30	64	17.8	1.13	1.17	99	37.2	3.17	4.62
-5	-20.6	0.15	0.08	30	-1.1	0.41	0.31	65	18.3	1.16	1.22	100	37.8	3.26	4.80
-4	-20.0	0.15	0.08	31	-0.6	0.42	0.32	66	18.9	1.19	1.27	101	38.3	3.36	4.99
-3	-19.4	0.16	0.08	32	0.0	0.44	0.33	67	19.4	1.23	1.32	102	38.9	3.46	5.19
-2	-18.9	0.16	0.09	33	0.6	0.45	0.35	68	20.0	1.27	1.37	103	39.4	3.56	5.40
-1	-18.3	0.16	0.09	34	1.1	0.46	0.36	69	20.6	1.30	1.42	104	40.0	3.67	5.62
0	-17.8	0.17	0.10	35	1.7	0.48	0.38	70	21.1	1.34	1.48	105	40.6	3.78	5.84
1	-17.2	0.17	0.10	36	2.2	0.49	0.39	71	21.7	1.38	1.54	106	41.1	3.90	6.07
2	-16.7	0.18	0.10	37	2.8	0.51	0.41	72	22.2	1.43	1.60	107	41.7	4.01	6.32
3	-16.1	0.19	0.11	38	3.3	0.52	0.42	73	22.8	1.47	1.67	108	42.2	4.13	6.57
4	-15.6	0.19	0.11	39	3.9	0.54	0.44	74	23.3	1.51	1.73	109	42.8	4.26	6.83
5	-15.0	0.20	0.12	40	4.4	0.55	0.46	75	23.9	1.56	1.80	110	43.3	4.38	7.11
6	-14.4	0.20	0.12	41	5.0	0.57	0.47	76	24.4	1.60	1.87	111	43.9	4.52	7.39
7	-13.9	0.21	0.13	42	5.6	0.59	0.49	77	25.0	1.65	1.95	112	44.4	4.65	7.69
8	-13.3	0.22	0.13	43	6.1	0.61	0.51	78	25.6	1.70	2.03	113	45.0	4.79	7.99
9	-12.8	0.22	0.14	44	6.7	0.62	0.53	79	26.1	1.75	2.11	114	45.6	4.93	8.31
10	-12.2	0.23	0.14	45	7.2	0.64	0.56	80	26.7	1.81	2.19	115	46.1	5.08	8.65

RECORD THE TC TEST RESULTS



http://www.faa.gov/airports_airtraffic/weather/asos/

http://www.climate.weatheroffice.ec.gc.ca/advanceSearch/searchHistoricData_e.html?timeframe=1&Prov=XX&StationID=9999&Year=2008&Month=9&Day=14