

Insulation Resistance Test & Continuity Test

.322" conductor wire: NSF

NSF WIRE #: 17-C179

Test Date: 13-Jan-22

Ambient Air Temperature: 41.9 degrees F

Spool End Tape: 9997 meters

Outside Tape: 164 meters

Resistance per kilometer (conductors): 0.0308 ohms/meter

Theoretical conductor resistance: 302.856 ohms

Model 1060 AEMC Megger

S/N:

Test from: From termination, through drum, slipring, & connections down to Computer Lab

Insulation Resistance

Insulation resistance testing is made at 250V charge, applied continuously for ten minutes. Results show in ohms, DAR, PI and microfarads.

WIRES	Ohms (Gohms)	DAR	PI	uF
Red-White	23.41	1.19	0.85	0.727
Red-Black	9.21	1.18	0.79	0.765
Red-Green	63.3	1.48	2.60	1.107
Black-White	51.1	1.00	1.68	0.764
Black-Green	58.2	1.58	3.54	1.092
White-Green	56.6	1.42	2.13	1.170

Test from: Computer Lab through connections up to O2 deck, slipring, drum, all the way to termination end

Insulation Resistance

Insulation resistance testing is made at 250V charge, applied continuously for ten minutes. Results show in ohms, DAR, PI and microfarads.

WIRES	Ohms (Gohms)	DAR	PI	uF
Red-White	133.6	1.57	2.30	0.769
Red-Black	122.5	1.97	1.94	0.727
Red-Green	67.4	1.35	3.25	1.102
Black-White	136.8	1.74	3.06	0.767
Black-Green	57	1.27	2.48	1.099
White-Green	76.1	1.56	2.59	1.168

Continuity Test

Continuity testing is made at the 400kohm setting, applied for 60 seconds. Results are in Ohms.

WIRES	Resistance (Ohms)
Red-Green	289 Ohms
Black-Green	290 Ohms

White-Green	291 Ohms
Green-Ship	0.5 Ohms

Insulation Resistance Test & Continuity Test

.322" conductor wire: NSF

NSF WIRE #: 17-C179

Test Date: 25-Jan-22

Ambient Air Temperature: 39.6 degrees F

Test from: wire on drum only from termination end up through drum

Insulation Resistance

Insulation resistance testing is made at 250V charge, applied continuously for ten minutes. Results show in ohms, DAR, PI and microfarads.

WIRES	Ohms (Gohms)	DAR	PI	uF
Red-White	163	1.55	2.52	0.721
Red-Black	191.5	1.66	3.31	0.724
Red-Green	129	1.70	3.68	1.098
Black-White	233.6	1.80	3.03	0.719
Black-Green	89.1	1.62	2.37	1.098
White-Green	255.9	1.85	4.75	1.157

Continuity Test

Continuity testing is made at the 400kohm setting, applied for 60 seconds. Results are in Ohms. continuity measured at termination end

WIRES	Resistance (Ohms) Fluke	Resistance (Ohms)
Red-Green	271.2 Ohms	268.5 Ohms
Black-Green	271.6 Ohms	269 Ohms
White-Green	268 Ohms	271 Ohms
Red-White	535 Ohms	544 Ohms
White-Black	541 Ohms	536 Ohms
Black-Red	541 Ohms	536 Ohms
Green-Ship	0.51 Ohms	0.8 Ohms

Test Date: 26-Jan-22

Ambient Air Temperature: 24 degrees F

Test from: wire on drum only: from drum end down through termination

Insulation Resistance

Insulation resistance testing is made at 250V charge, applied continuously for ten minutes. Results show in ohms, DAR, PI and microfarads.

WIRES	Ohms (Gohms)	DAR	PI	uF
Red-White	489	1.77	5.29	0.764
Red-Black	515	1.59	6.77	0.762
Red-Green	397	1.89	7.61	1.171
Black-White	499	1.80	5.02	0.760
Black-Green	328.6	1.92	5.36	1.091
White-Green	963	1.67	12.32	1.101