



Software version	4.14-00
Unit under test	FULL_TEST_su_cavo_ps_pp1_V3
Filename	C:\Users\Public\Documents\CEETIS\Projects\FULL_TEST_su_cavo_ps_pp1_V3.project
Date/Time	07/05/2024 11:25:21
Serial number	Cable02

T e s t r e s u l t	
Continuity test	1 error
LV isolation test	No commands
HV isolation test	8 errors
Test of electrical components	No commands
Voltage and Current	No commands
Other tests	Pass
F A I L E D	

Ambient Temperature:°C

Ambient Rel.Humidity:%

CONTINUITY AND RESISTANCE MEASUREMENTS

-->LV channels

Parameters for continuity test

Current=500mA; Threshold=40Ohm; Trise=2ms; Twait=2s; Tmeas=1ms; Auto ranging=On; Voltage limit=48V

Parameters for continuity test

Threshold=10hm

✓ Passed	LV1	LV1 S	LV1 Sr	585,3mOhm
✓ Passed	LVreturn1	LVR1 S	LVR1 Sr	579,9mOhm
✓ Passed	LV2	LV2 S	LV2 Sr	584,9mOhm
✓ Passed	LVreturn2	LVR2 S	LVR2 Sr	581,2mOhm
✓ Passed	LV3	LV3 S	LV3 Sr	588,7mOhm
✓ Passed	LVreturn3	LVR3 S	LVR3 Sr	581,2mOhm
✓ Passed	LV4	LV4 S	LV4 Sr	583mOhm
✓ Passed	LVreturn4	LVR4 S	LVR4 Sr	578,2mOhm
✓ Passed	LV5	LV5 S	LV5 Sr	580,6mOhm
✓ Passed	LVreturn5	LVR5 S	LVR5 Sr	581,2mOhm
✓ Passed	LV6	LV6 S	LV6 Sr	571,7mOhm
✓ Passed	LVreturn6	LVR6 S	LVR6 Sr	574,4mOhm
✓ Passed	LV7	LV7 S	LV7 Sr	587,1mOhm
✓ Passed	LVreturn7	LVR7 S	LVR7 Sr	580,6mOhm
✓ Passed	LV8	LV8 S	LV8 Sr	571,7mOhm
✓ Passed	LVreturn8	LVR8 S	LVR8 Sr	571,2mOhm
✓ Passed	LV9	LV9 S	LV9 Sr	588,3mOhm
✓ Passed	LVreturn9	LVR9 S	LVR9 Sr	579,2mOhm
✓ Passed	LV10	LV10 S	LV10 Sr	586mOhm
✓ Passed	LVreturn10	LVR10 S	LVR10 Sr	583,9mOhm
✓ Passed	LV11	LV11 S	LV11 Sr	586,7mOhm
✓ Passed	LVreturn11	LVR11 S	LVR11 Sr	589,6mOhm
✓ Passed	LV12	LV12 S	LV12 Sr	587,1mOhm
Passed	LVreturn12	LVR12 S	LVR12 Sr	587,3mOhm

✓				
✓	Passed	PH	PH S	PH Sr
✓	Passed	PHreturn	PHR S	PHR Sr
	--> Drains			
✗	Open	Drain	Drain S	Drain r
	HV channels and Tsensor			
	Parameters for continuity test			
	Threshold=15Ohm			
✓	Passed	Tsensor1	TS1 S	TS1 Sr
✓	Passed	Tsensor2	TS2 S	TS2 Sr
✓	Passed	Tsensor3	TS3 S	TS3 Sr
✓	Passed	Tsensor4	TS4 S	TS4 Sr
✓	Passed	H1	H1 S	H1 Sr
✓	Passed	H2	H2 S	H2 Sr
✓	Passed	H3	H3 S	H3 Sr
✓	Passed	H4	H4 S	H4 Sr
✓	Passed	HR1	HR1 S	HR1 Sr
✓	Passed	H5	H5 S	H5 Sr
✓	Passed	H6	H6 S	H6 Sr
✓	Passed	H7	H7 S	H7 Sr
✓	Passed	H8	H8 S	H8 Sr
✓	Passed	HR2	HR2 S	HR2 Sr
✓	Passed	H9	H9 S	H9 Sr
✓	Passed	H10	H10 S	H10 Sr
✓	Passed	H11	H11 S	H11 Sr
✓	Passed	H12	H12 S	H12 Sr
✓	Passed	HR3	HR3 S	HR3 Sr

INSULATION TEST 1 VS all

--> LV channels

Parameters for HV isolation test

Voltage=50V; Threshold=100MOhm; Trise=10s; Twait=3s; Tmeas=1s; Auto ranging=On; Current limit=1,95mA; Tmeas red.=Off; Tmeas fact.=1; Voltage ramp=120V/s

Parameters for HV isolation test

Trise=1s; Twait=8s; Tmeas=8s

Passed; LV1; 1252241004.0799; Ohm; 1,252GOhm

Passed; LVR1; 2192308831.14732; Ohm; 2,192GOhm

Passed; LV2; 2508580069.02557; Ohm; 2,509GOhm

Fail; LVR2; 25551.6697713726; Ohm; 25,55kOhm

Passed; LV3; 1610587282.39065; Ohm; 1,611GOhm

Passed; LVR3; 1618501947.00858; Ohm; 1,619GOhm

Passed; LV4; 2339573941.96409; Ohm; 2,34GOhm

Passed; LVR4; 1317873157.37227; Ohm; 1,318GOhm

Fail; LV5; 25558.1781291917; Ohm; 25,56kOhm

Passed; LVR5; 1137832221.22771; Ohm; 1,138GOhm

Passed; LV6; 1164992456.37965; Ohm; 1,165GOhm

Fail; LVR6; 25563.4157188378; Ohm; 25,56kOhm

Fail; LV7; 25565.4172995207; Ohm; 25,57kOhm

Fail; LVR7; 25565.9971252864; Ohm; 25,57kOhm

Passed; LV8; 1529930205.96775; Ohm; 1,53GOhm

Passed; LVR8; 1421023758.17187; Ohm; 1,421GOhm

Passed; LV9; 1446819888.44993; Ohm; 1,447GOhm

Passed; LVR9; 2124842318.36735; Ohm; 2,125GOhm

Passed; LV10; 725740278.78194; Ohm; 725,7MOhm

Passed; LVR10; 2693873362.11391; Ohm; 2,694GOhm

Passed; LV11; 1289488925.93217; Ohm; 1,289GOhm

Passed; LVR11; 1373403043.44106; Ohm; 1,373GOhm

Passed; LV12; 2064861764.1313; Ohm; 2,065GOhm

Fail; LVR12; 25569.1785570487; Ohm; 25,57kOhm

Fail; PH; 25572.1294818159; Ohm; 25,57kOhm
Passed; PHR; 1735256522.9838; Ohm; 1,735GOhm
--> HV channels

Parameters for HV isolation test

Voltage=1,2kV; Threshold=1GOhm; Trise=10s; Tmeas=1s

✓ Passed	HV1	H1 F	26,17GOhm
✓ Passed	HV2	H2 F	40,94GOhm
✓ Passed	HV3	H3 F	25,58GOhm
✓ Passed	HV4	H4 F	>98,11GOhm
✓ Passed	HV5	H5 F	>98,11GOhm
✓ Passed	HV6	H6 F	63,36GOhm
✓ Passed	HV7	H7 F	>98,11GOhm
✓ Passed	HV8	H8 F	>98,11GOhm
✓ Passed	HV9	H9 F	59,03GOhm
✓ Passed	HV10	H10 F	>98,11GOhm
✓ Passed	HV11	H11 F	>98,11GOhm
✓ Passed	HV12	H12 F	>98,11GOhm
✓ Passed	HVreturn1	HR1 F	>98,11GOhm
✓ Passed	HVreturn2	HR2 F	92,8GOhm
✓ Passed	HVreturn3	HR3 F	>98,11GOhm

Parameters for HV isolation test

Voltage=50V; Threshold=100MOhm; Trise=1s; Tmeas=2s

✓ Passed	Tsensor1	TS1 F	2,484GOhm
✓ Passed	Tsensor2	TS2 F	>4,088GOhm
✓ Passed	Tsensor3	TS3 F	>4,088GOhm
✓ Passed	Tsensor4	TS4 F	>4,088GOhm

INSULATION GROUP TEST

--> LV channels

Parameters for HV isolation test

Threshold=10MOhm

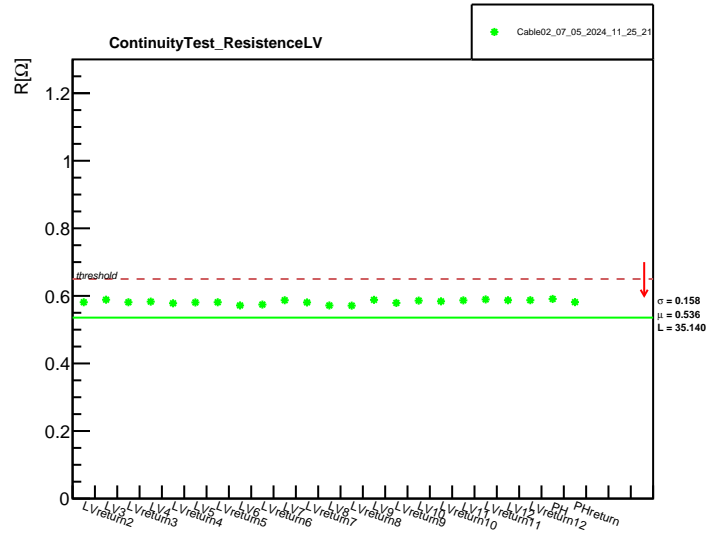
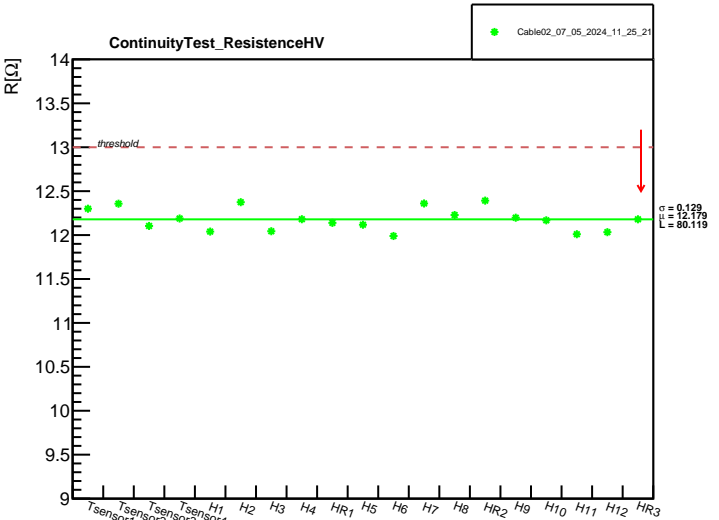
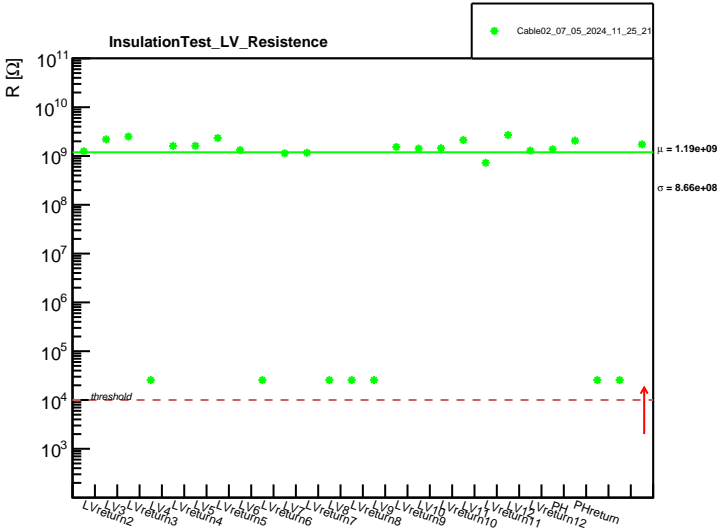
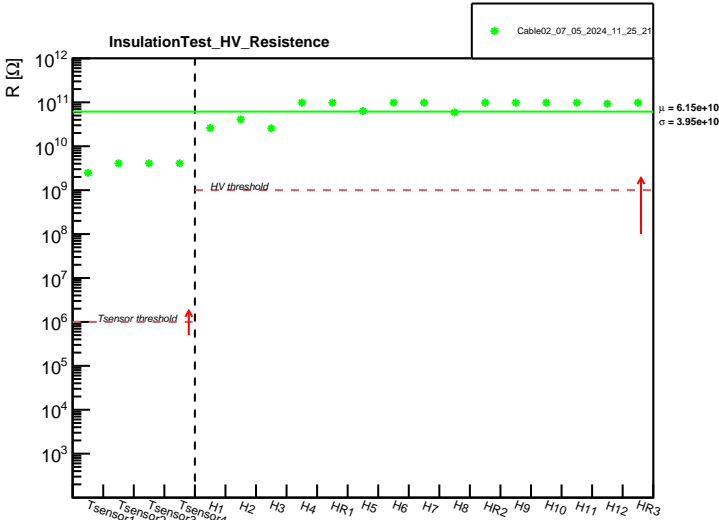
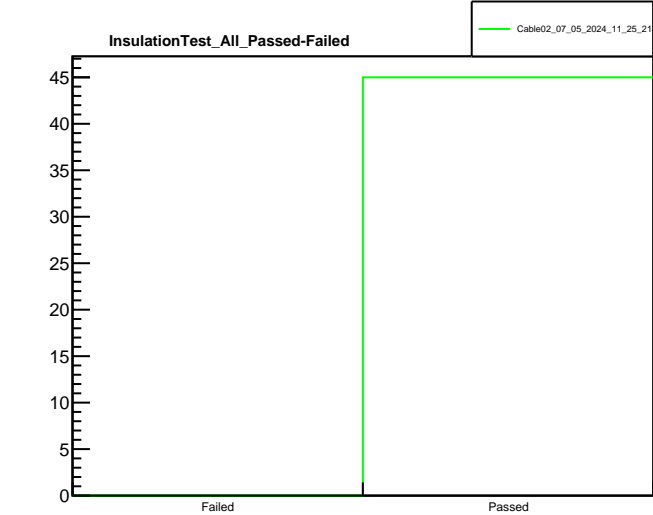
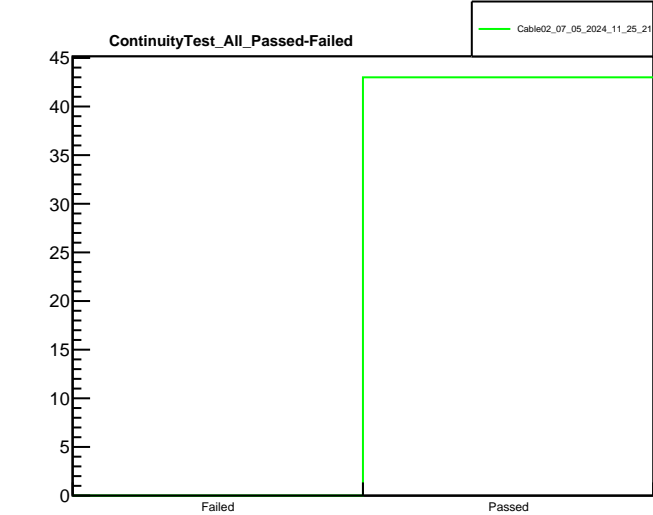
Fail; LV_group; 25576.7680364949; Ohm; 25,58kOhm

--> HV channels

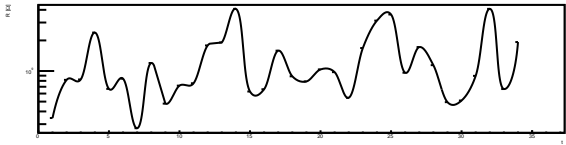
Parameters for HV isolation test

Voltage=1,2kV; Threshold=100MOhm; Trise=10s

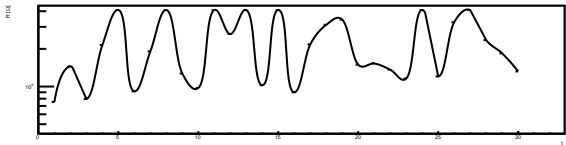
✓ Passed	HV_group	HV	Low group	>4,918GOhm
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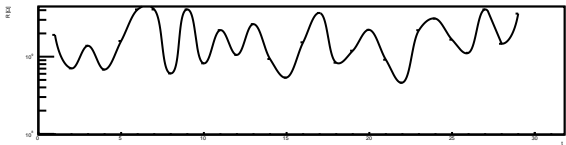
LV1



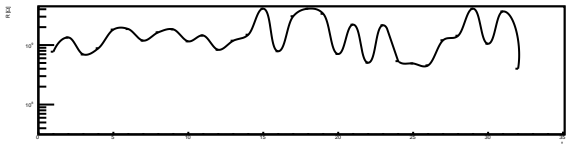
LV2



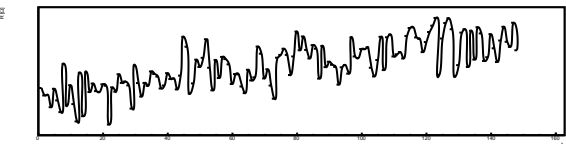
LV3



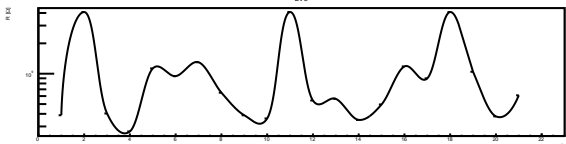
LV4



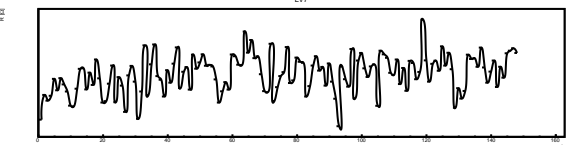
LV5



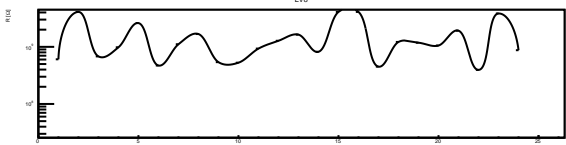
LV6



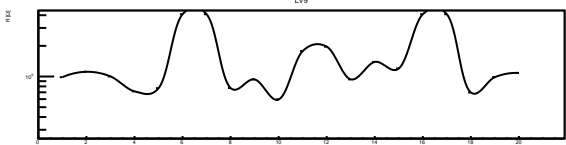
LV7



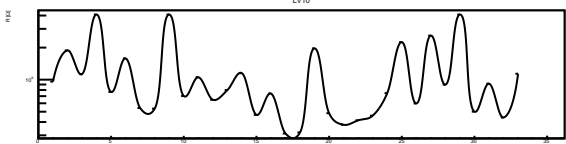
LV8



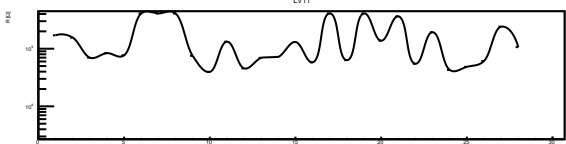
LV9



LV10



LV11



LV12

