



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	09/05/2024 12:11:09
Serial number	Cable01

T e s t r e s u l t	
Continuity test	1 error
LV isolation test	No commands
HV isolation test	Pass
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=1Ohm				
✓ Passed	LV1	LV1 S	LV1 Sr	559,8mOhm
✓ Passed	LVreturn1	LVR1 S	LVR1 Sr	557,8mOhm
✓ Passed	LV2	LV2 S	LV2 Sr	564,4mOhm
✓ Passed	LVreturn2	LVR2 S	LVR2 Sr	556,9mOhm
✓ Passed	LV3	LV3 S	LV3 Sr	564,8mOhm
✓ Passed	LVreturn3	LVR3 S	LVR3 Sr	559,4mOhm
✓ Passed	LV4	LV4 S	LV4 Sr	558,7mOhm
✓ Passed	LVreturn4	LVR4 S	LVR4 Sr	553mOhm
✓ Passed	LV5	LV5 S	LV5 Sr	558,4mOhm
✓ Passed	LVreturn5	LVR5 S	LVR5 Sr	553,5mOhm
✓ Passed	LV6	LV6 S	LV6 Sr	549mOhm
✓ Passed	LVreturn6	LVR6 S	LVR6 Sr	551,6mOhm
✓ Passed	LV7	LV7 S	LV7 Sr	567,8mOhm
✓ Passed	LVreturn7	LVR7 S	LVR7 Sr	553,6mOhm
✓ Passed	LV8	LV8 S	LV8 Sr	545,5mOhm
✓ Passed	LVreturn8	LVR8 S	LVR8 Sr	544,3mOhm
✓ Passed	LV9	LV9 S	LV9 Sr	567,7mOhm
✓ Passed	LVreturn9	LVR9 S	LVR9 Sr	559,1mOhm
✓ Passed	LV10	LV10 S	LV10 Sr	562,6mOhm
✓ Passed	LVreturn10	LVR10 S	LVR10 Sr	558,3mOhm
✓ Passed	LV11	LV11 S	LV11 Sr	565,9mOhm
✓ Passed	LVreturn11	LVR11 S	LVR11 Sr	564,5mOhm
✓ Passed	LV12	LV12 S	LV12 Sr	562,2mOhm
Passed	LVreturn12	LVR12 S	LVR12 Sr	566,3mOhm

✓				
✓	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; 1753395299.70721; Ohm; 1,753GOhm
 Passed; LVR1; 1963525816.75675; Ohm; 1,964GOhm
 Passed; LV2; 1518350115.67422; Ohm; 1,518GOhm
 Passed; LVR2; 1393477823.07077; Ohm; 1,393GOhm
 Passed; LV3; 2405657492.89531; Ohm; 2,406GOhm
 Passed; LVR3; 1815033198.46476; Ohm; 1,815GOhm
 Passed; LV4; 1808422240.38285; Ohm; 1,808GOhm
 Passed; LVR4; 1079605389.16664; Ohm; 1,08GOhm
 Passed; LV5; 1420106070.20949; Ohm; 1,42GOhm
 Passed; LVR5; 2327566774.07918; Ohm; 2,328GOhm
 Passed; LV6; 752857907.45437; Ohm; 752,9MOhm
 Passed; LVR6; 908168441.81975; Ohm; 908,2MOhm
 Passed; LV7; 1454739733.06761; Ohm; 1,455GOhm
 Passed; LVR7; 828755003.08767; Ohm; 828,8MOhm
 Passed; LV8; 883241971.30306; Ohm; 883,2MOhm
 Passed; LVR8; 1599903830.27811; Ohm; 1,6GOhm
 Passed; LV9; 1332443568.84319; Ohm; 1,332GOhm
 Passed; LVR9; 1416625825.99078; Ohm; 1,417GOhm
 Passed; LV10; 997086663.076105; Ohm; 997,1MOhm
 Passed; LVR10; 2132950222.11616; Ohm; 2,133GOhm
 Passed; LV11; 1511543994.91111; Ohm; 1,512GOhm
 Passed; LVR11; 2200968636.11151; Ohm; 2,201GOhm
 Passed; LV12; 1422146575.86742; Ohm; 1,422GOhm
 Passed; LVR12; 1609329675.1012; Ohm; 1,609GOhm

Passed; PH; 1310119608.01493; Ohm; 1,31GOhm
Passed; PHR; 1560413351.48201; Ohm; 1,56GOhm
--> HV channels

Parameters for HV isolation test

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

✓ Passed	HV1	H1 F	>98,41GOhm
✓ Passed	HV2	H2 F	76,92GOhm
✓ Passed	HV3	H3 F	>98,41GOhm
✓ Passed	HV4	H4 F	>98,41GOhm
✓ Passed	HV5	H5 F	>98,41GOhm
✓ Passed	HV6	H6 F	73,57GOhm
✓ Passed	HV7	H7 F	>98,41GOhm
✓ Passed	HV8	H8 F	91,89GOhm
✓ Passed	HV9	H9 F	>98,41GOhm
✓ Passed	HV10	H10 F	98,05GOhm
✓ Passed	HV11	H11 F	33,93GOhm
✓ Passed	HV12	H12 F	>98,41GOhm
✓ Passed	HVreturn1	HR1 F	>98,41GOhm
✓ Passed	HVreturn2	HR2 F	>98,41GOhm
✓ Passed	HVreturn3	HR3 F	94,81GOhm

Parameters for HV isolation test

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

✓ Passed	Tsensor1	TS1 F	>4,101GOhm
✓ Passed	Tsensor2	TS2 F	>4,101GOhm
✓ Passed	Tsensor3	TS3 F	>4,101GOhm
✓ Passed	Tsensor4	TS4 F	>4,101GOhm

INSULATION GROUP TEST

--> LV channels

Parameters for HV isolation test

Threshold=10MOhm

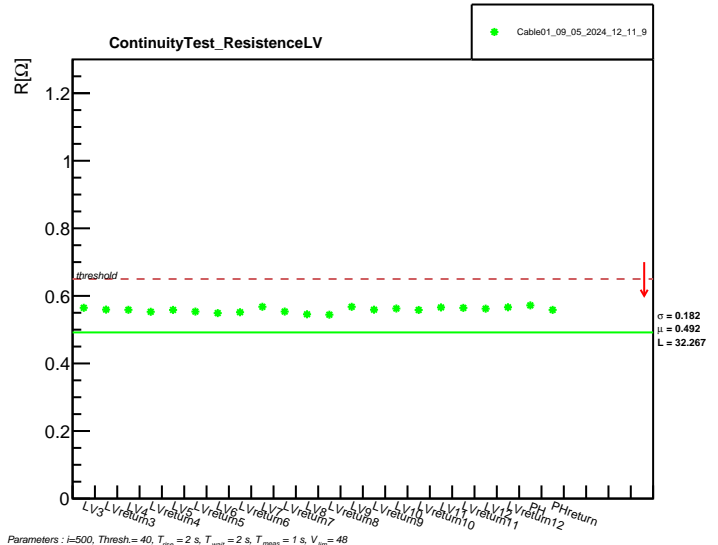
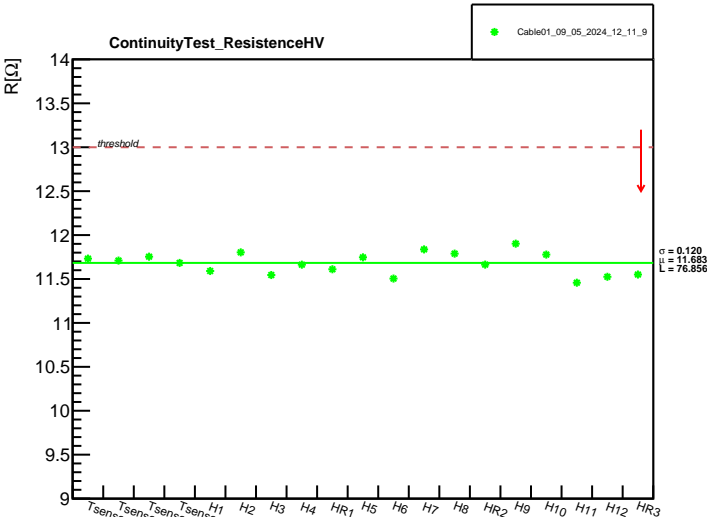
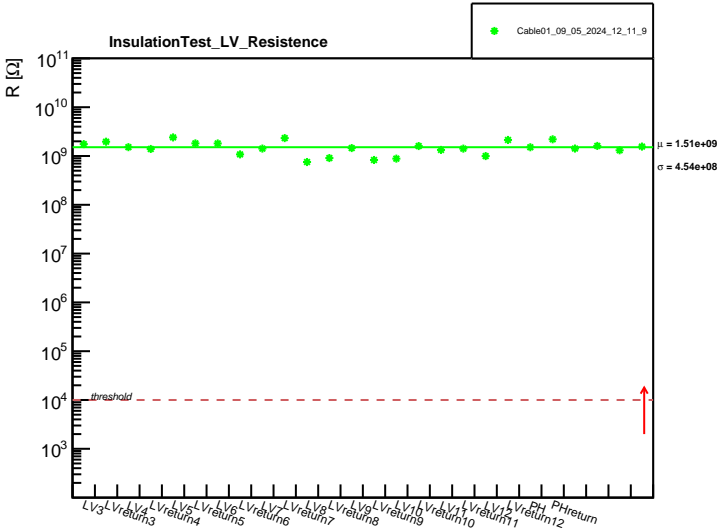
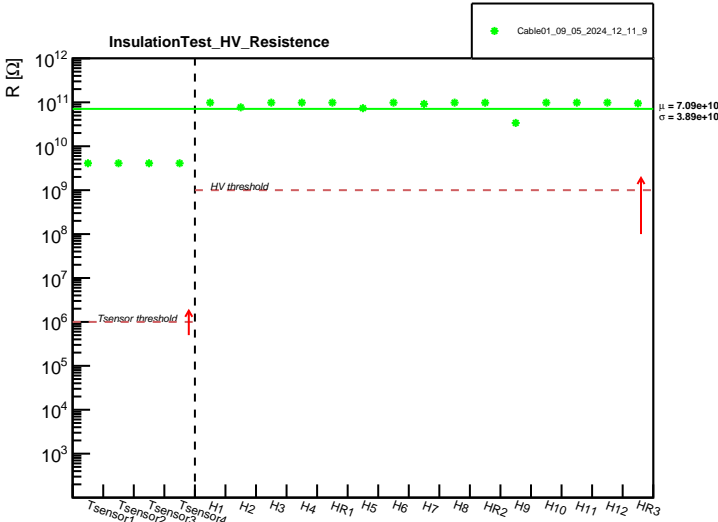
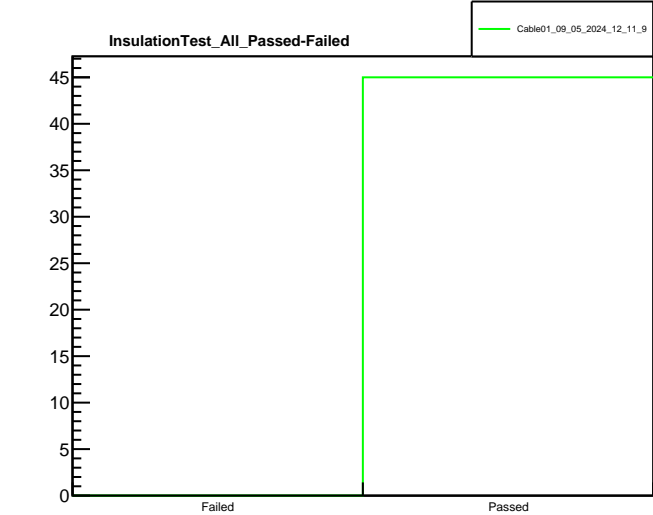
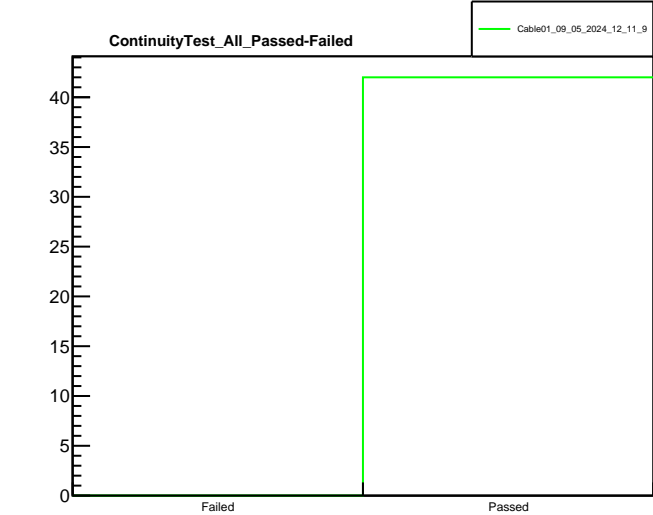
Passed; LV_group; 199911588.983386; Ohm; 199,9MOhm

--> HV channels

Parameters for HV isolation test

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

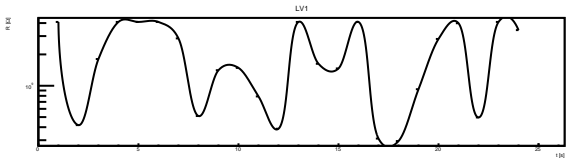
✓ Passed	HV_group	HV	Low group	>4,921GOhm
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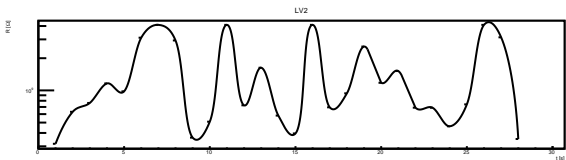
Parameters : $\mu=500$, $\text{Thresh}=40$, $T_{\text{rise}}=2$ s, $T_{\text{wait}}=2$ s, $T_{\text{meas}}=1$ s, $V_{\text{in}}=48$

Parameters : $\mu=500$, $\text{Thresh}=40$, $T_{\text{rise}}=2$ s, $T_{\text{wait}}=2$ s, $T_{\text{meas}}=1$ s, $V_{\text{in}}=48$

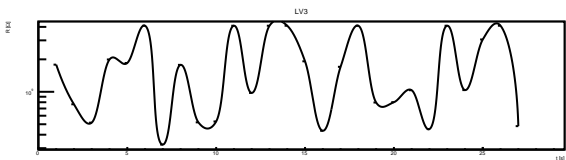
LV1



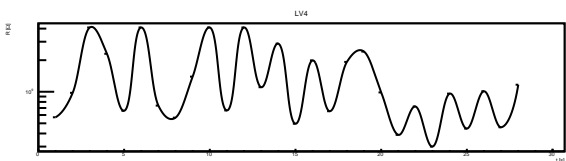
LV2



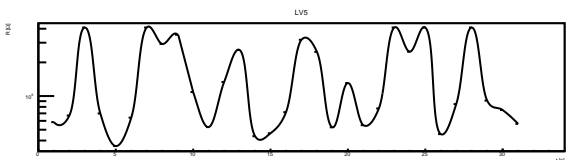
LV3



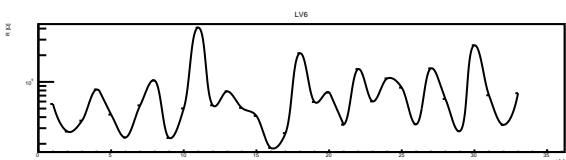
LV4



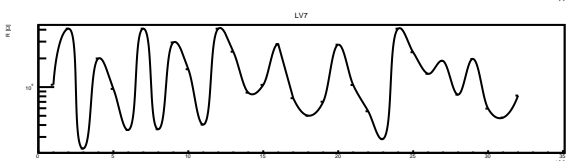
LV5



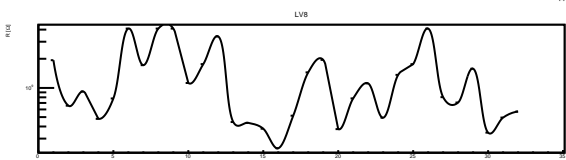
LV6



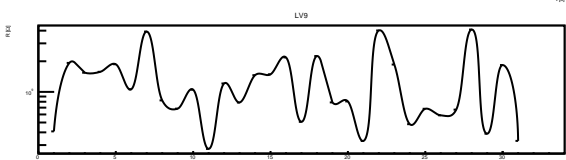
LV7



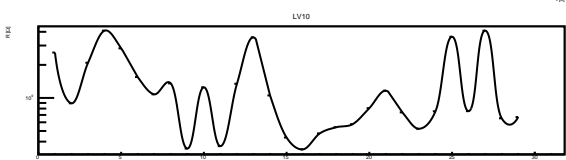
LV8



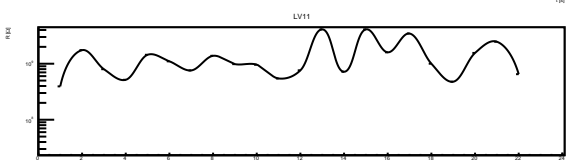
LV9



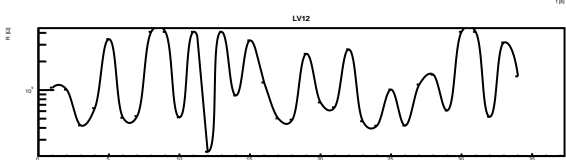
LV10



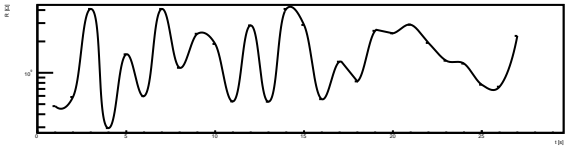
LV11



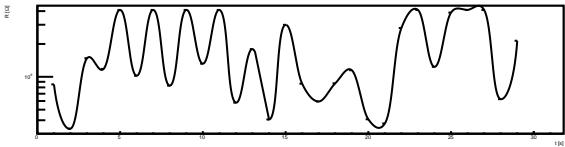
LV12



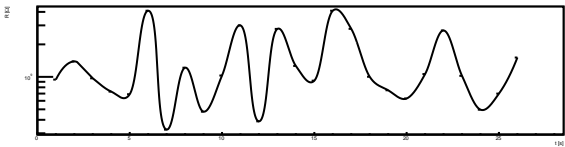
LVR1



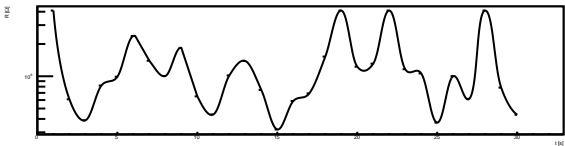
LVR2



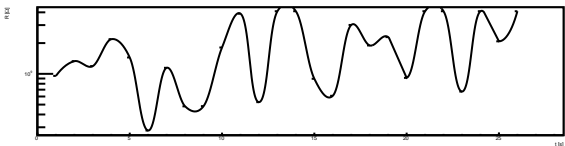
LVR3



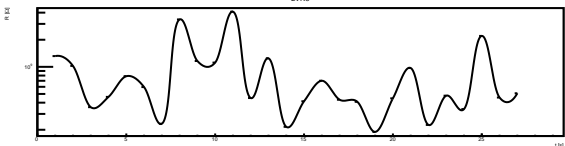
LVR4



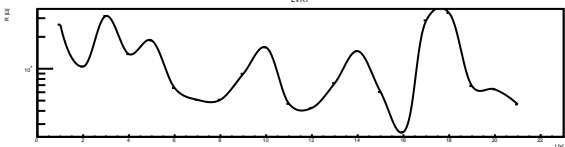
LVR5



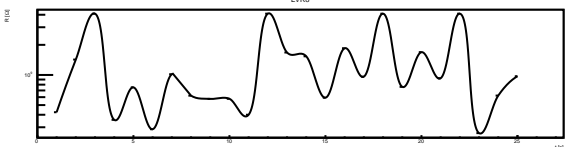
LVR6



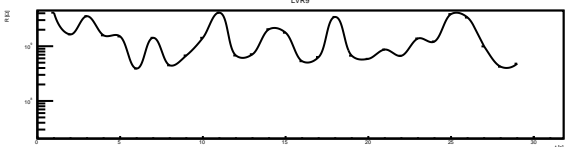
LVR7



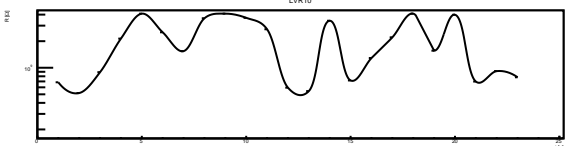
LVR8



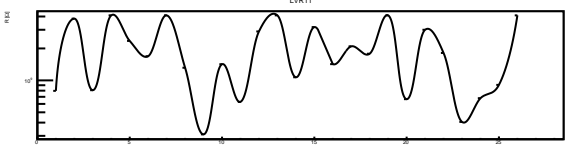
LVR9



LVR10



LVR11



LVR12

