



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 15:30:03
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	563,4mOhm
✓ Passed	LVreturn1	LVR1 S	LVR1 Sr	562mOhm
✓ Passed	LV2	LV2 S	LV2 Sr	568,3mOhm
✓ Passed	LVreturn2	LVR2 S	LVR2 Sr	560,2mOhm
✓ Passed	LV3	LV3 S	LV3 Sr	569,1mOhm
✓ Passed	LVreturn3	LVR3 S	LVR3 Sr	563,3mOhm
✓ Passed	LV4	LV4 S	LV4 Sr	562,5mOhm
✓ Passed	LVreturn4	LVR4 S	LVR4 Sr	557mOhm
✓ Passed	LV5	LV5 S	LV5 Sr	562,3mOhm
✓ Passed	LVreturn5	LVR5 S	LVR5 Sr	557,7mOhm
✓ Passed	LV6	LV6 S	LV6 Sr	552,4mOhm
✓ Passed	LVreturn6	LVR6 S	LVR6 Sr	555mOhm
✓ Passed	LV7	LV7 S	LV7 Sr	571,6mOhm
✓ Passed	LVreturn7	LVR7 S	LVR7 Sr	557,5mOhm
✓ Passed	LV8	LV8 S	LV8 Sr	549,6mOhm
✓ Passed	LVreturn8	LVR8 S	LVR8 Sr	547,7mOhm
✓ Passed	LV9	LV9 S	LV9 Sr	571,7mOhm
✓ Passed	LVreturn9	LVR9 S	LVR9 Sr	562,8mOhm
✓ Passed	LV10	LV10 S	LV10 Sr	566,6mOhm
✓ Passed	LVreturn10	LVR10 S	LVR10 Sr	562mOhm
✓ Passed	LV11	LV11 S	LV11 Sr	569,6mOhm
✓ Passed	LVreturn11	LVR11 S	LVR11 Sr	568,3mOhm
✓ Passed	LV12	LV12 S	LV12 Sr	565,7mOhm
Passed	LVreturn12	LVR12 S	LVR12 Sr	569,8mOhm

✓				
✓	Passed	PH	PH S	PH Sr
✓	Passed	PHreturn	PHR S	PHR Sr
	--> Drains			
✗	Open	Drain	Drain S	Drain r
	HV channels and Tsensor			
	<b>Parameters for continuity test</b>			
	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; 1658162230.2784; Ohm; 1,658GOhm  
 Passed; LVR1; 1264170762.27633; Ohm; 1,264GOhm  
 Passed; LV2; 1865462030.05199; Ohm; 1,865GOhm  
 Passed; LVR2; 1348109215.31891; Ohm; 1,348GOhm  
 Passed; LV3; 1740155427.33794; Ohm; 1,74GOhm  
 Passed; LVR3; 1343249351.3735; Ohm; 1,343GOhm  
 Passed; LV4; 873198990.2264; Ohm; 873,2MOhm  
 Passed; LVR4; 1644833304.11305; Ohm; 1,645GOhm  
 Passed; LV5; 1671098645.13728; Ohm; 1,671GOhm  
 Passed; LVR5; 1447238722.36784; Ohm; 1,447GOhm  
 Passed; LV6; 911324651.82704; Ohm; 911,3MOhm  
 Passed; LVR6; 581311692.96123; Ohm; 581,3MOhm  
 Passed; LV7; 1279528188.58258; Ohm; 1,28GOhm  
 Passed; LVR7; 1970331758.22737; Ohm; 1,97GOhm  
 Passed; LV8; 1191029029.65709; Ohm; 1,191GOhm  
 Passed; LVR8; 845187688.02608; Ohm; 845,2MOhm  
 Passed; LV9; 2078427631.09869; Ohm; 2,078GOhm  
 Passed; LVR9; 2354729902.2419; Ohm; 2,355GOhm  
 Passed; LV10; 789099387.64607; Ohm; 789,1MOhm  
 Passed; LVR10; 1303464721.46951; Ohm; 1,303GOhm  
 Passed; LV11; 937720843.441995; Ohm; 937,7MOhm  
 Passed; LVR11; 2043856795.05491; Ohm; 2,044GOhm  
 Passed; LV12; 1537200981.9937; Ohm; 1,537GOhm  
 Passed; LVR12; 1913101596.89036; Ohm; 1,913GOhm

Passed; PH; 2129845001.92727; Ohm; 2,13GOhm  
Passed; PHR; 1699064110.44163; Ohm; 1,699GOhm  
--> HV channels

**Parameters for HV isolation test**

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

✓ Passed	HV1	H1 F	>98,21GOhm
✓ Passed	HV2	H2 F	>98,21GOhm
✓ Passed	HV3	H3 F	>98,21GOhm
✓ Passed	HV4	H4 F	88,94GOhm
✓ Passed	HV5	H5 F	>98,21GOhm
✓ Passed	HV6	H6 F	>98,21GOhm
✓ Passed	HV7	H7 F	>98,21GOhm
✓ Passed	HV8	H8 F	71,12GOhm
✓ Passed	HV9	H9 F	>98,21GOhm
✓ Passed	HV10	H10 F	25,83GOhm
✓ Passed	HV11	H11 F	54,79GOhm
✓ Passed	HV12	H12 F	>98,21GOhm
✓ Passed	HVreturn1	HR1 F	>98,21GOhm
✓ Passed	HVreturn2	HR2 F	>98,21GOhm
✓ Passed	HVreturn3	HR3 F	>98,21GOhm

**Parameters for HV isolation test**

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

✓ Passed	Tsensor1	TS1 F	>4,092GOhm
✓ Passed	Tsensor2	TS2 F	>4,092GOhm
✓ Passed	Tsensor3	TS3 F	>4,092GOhm
✓ Passed	Tsensor4	TS4 F	>4,092GOhm

**INSULATION GROUP TEST**

--> LV channels

**Parameters for HV isolation test**

Threshold=10MOhm

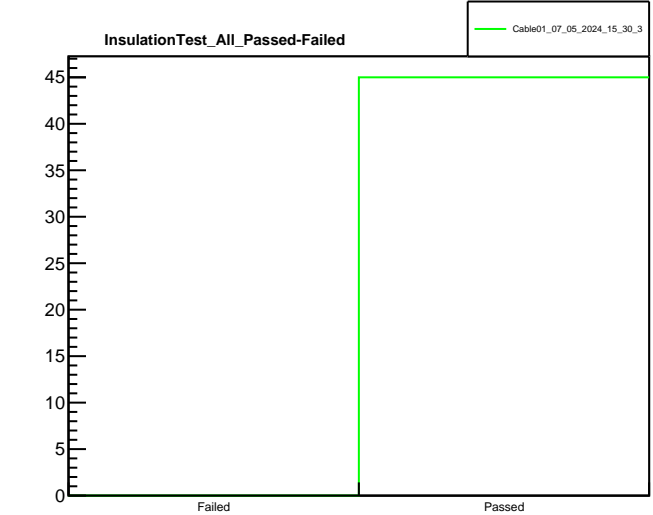
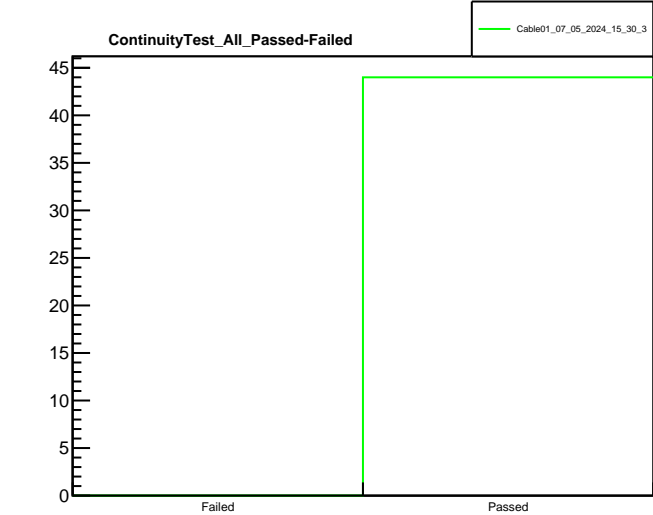
Passed; LV\_group; 204150783.758022; Ohm; 204,2MOhm

--> HV channels

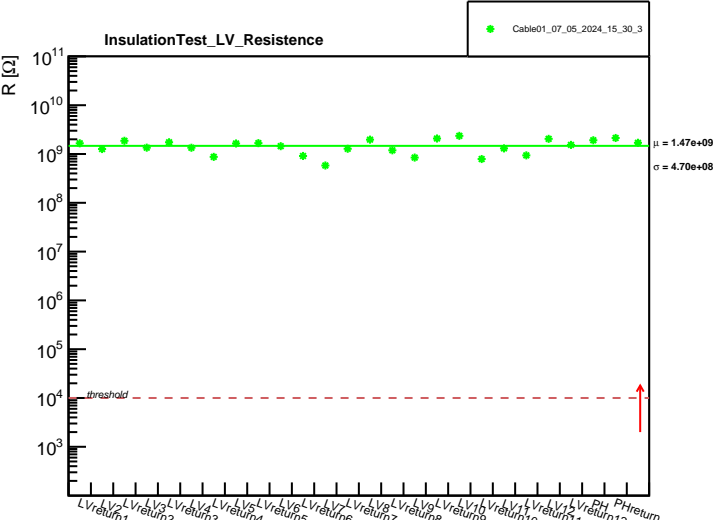
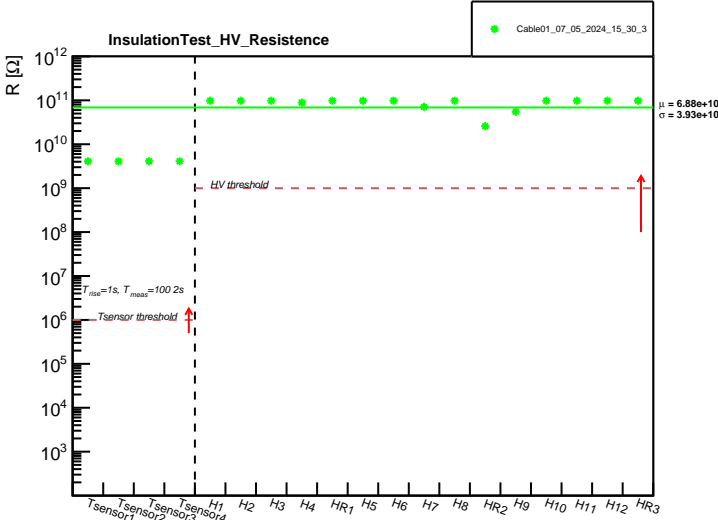
**Parameters for HV isolation test**

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

✓ Passed	HV_group	HV	Low group	>4,919GOhm
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Parameters :  $V=50$  V,  $Thresh.=100$  M $\Omega$ ,  $T_{rise}=1$  s,  $T_{hold}=8$  s,  $T_{max}=8$  s,  $I_{set}=1.95$  mA,  $V_{comp}=120$  V/s



Parameters :  $V=50$  V,  $Thresh.=100$  M $\Omega$ ,  $T_{rise}=1$  s,  $T_{hold}=8$  s,  $T_{max}=8$  s,  $I_{set}=1.95$  mA,  $V_{comp}=120$  V/s

