

**LBNE AWG 24 Cable Test 11/1/2013 – 11/13/2013**

<b>PAB Materials Test System</b>	
<b>Date of Receipt</b>	11/20/2013 , logbook entry 4587
<b>Sample Name/Description</b>	LBNE cable, W.L.Gore AWG 24 parallel pair with drain
<b>Sample</b>	
<b>Composition:</b>	AWG 24 silver plated conductor, ePTFE insulation, shield is vacuum deposited alum. poly., <b>Overall jacket is blue FEP</b>
<b>Picture Location:</b>	data base
<b>Weight:</b>	135.6 g
<b>Dimensions/Area:</b>	
<b>Source:</b>	Terry Shaw
<b>Preparation:</b>	no cleaning
<b>Submerging in LAr or LH2</b>	no
<b>Time in the airlock(hrs)</b>	
<b>Purge:</b>	44 hours
<b>Vacuum:</b>	
<b>Room Temperature</b>	
<b>Start Time/Date, End Time/Date :</b>	11/1/2013 10:12 am, 11/5/2013
<b>PrM run # :</b>	19357
<b>Condenser state:</b>	on
<b>Filter state:</b>	off
<b>O2 reading:</b>	x
<b>H2O reading:</b>	20-30 ppb
<b>Liquid Level:</b>	app. 18 inches
<b>Lifetime:</b>	3-4 ms
<b>Liquid Test</b>	
<b>Start Time/Date, End Time/Date :</b>	11/7/2013 4:45 pm, 11/8/2013
<b>PrM run # :</b>	19434
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>O2 reading:</b>	x
<b>H2O reading:</b>	13 ppb
<b>Temperature:</b>	95 K
<b>Liquid Level:</b>	app. 17 inches
<b>Lifetime:</b>	> 10 ms
<b>VaporTest</b>	
<b>Start Time/Date, End Time/Date :</b>	11/8/2013 5 pm. 11/13/2013 9 am
<b>PrM run # :</b>	19447
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>O2 reading:</b>	x
<b>H2O reading:</b>	14-16 ppb
<b>Temperature:</b>	160 K
<b>Liquid Level:</b>	app. 16 inches
<b>Lifetime:</b>	3.5 -5.5 ms



The black plastic connector on the one end of the cable and the board on the other end were cut off before the test.

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1. Zero test
2. Room temp. test
3. Liquid test
4. Vapor Test

