

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

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

