Test date: 1	/26/2019 (Conducte	ed by: <u>]</u>	E. Shima	ida C	ustomer:		
Location and identification of cable tested (including armor, shield & conductor count:								
R/V Atlantis forward hydro winch 0.322 A301592 cable NSF-3-C165 Recorded length and condition of cable:								
6603 meters (taken from 12/14/18 wire status report)								
Preparation and	d visual condition	of wire er	nds (bare	e, termina	ted, slipri	ngs, etc):		
terminated on wet end and inboard end with individual, female mecca connectors								
								(taken with 566 l
Max voltage specified by cable manufacturer: 1000 Avg armor dia: 0.322 mm in Wire temp, °C 10.17 thermometer)								
Megger ID: AEMC 1060 S/N 154856DCDV (cal date 8/6/2018) used on battery mode (full charge at start)								
TDR ID:								
Test Sequence Blk/armor Wht/armor Red/armor Blk/Wht Blk/Red Wht/Red Slip Ring Blk/armor Wht/armor Red/armor Blk/Wht Blk/Red	Insulation res, GΩ 11.79 34.256 7.84 26.776 27.636 14.659 49.30 36.21 38.76 38.54 49.40	DAR ratio 1.12 1.25 1.09 1.17 1.23 1.15 1.10 1.07 1.08 1.14 1.11	PI ratio 1.22 1.31 1.24 1.24 1.32 1.16 1.18 1.11 1.14 1.09 1.38	cap μF 0.794 0.742 0.740 0.522 0.490 0.488 	appl. volts 250	minutes duration 5.0	Continuity (ohm) comments 187.8 188.1 189.8 373.0 372.8 372.9	
Wht/Red 37.91 1.10 1.16 0.004								
TDR setup: Velocity Factor (VF) used: 0 Confirm VF from actual recorded length? Y/N TDR Results Summary:								
NOTE: Megger battery fully charged prior to running test. Starting voltage 11.6 V and ending voltage 10.9 V.								
NOTE: Fluke 87 III True RMS multimeter used for continuity testing.								

WHOI Underwater Cable Electrical Test Record #

NOTE: temperature of wire taken using a 566 IR thermometer gun aimed at outer wraps and several points on the drum. Drum temperature used above. Outer wraps were 10.89C.