P1 Pin	P2 Pin	Size (AWG)	Color	Description -001	Description -002
1	1	20	white	Ground	POWER GROUND
2	2	20	Black	Ground	TX
3	3	20	Green	Ground	RX
4	4	20	Red	Power	POWER
5	5	20	Orange	Power	--
6	6	20	Blue	Power	--
7	7	20	white/Black	Seawater	SIGNAL GROUND

Config.	L	Description
-xxx	x"	
-001	132"	Power cable from power can to controller can
-002	132"	Telemetry cable between power can and controller can

Ref. Des.	Mfgr.	Mfgr. P/N	Description
P1	Seacon	AWQ-7/42P-MP	ALL WET Split 7-pin Male
P2	Seacon	AWQ-7/42P-MP	ALL WET Split 7-pin Male
--	Seacon	--	Neoprene Cable with seven (7) 20AWG wires

Notes (unless otherwise specified):

1. Cable jacket to be neoprene per B/A X5727
2. Cable to meet minimum current capacity of 4.9 Amps per conductor
3. Cable to meet overall minimum current capacity of 29.4 Amps
4. All lengths are +2.0" -0.5"
5. Twist the following wire pairs:
   1 with 4
   2 with 5
   3 with 6
6. All dimensions are in inches unless otherwise noted.

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M B A R I

Designed by: Lance McBride

Drawn by: Lance McBride

Rev.	Date	Description
B	11/07/2003	Added telemetry cable
A	07/08/2002	Release for 1st Engineering Deployment

Monterey Bay Aquarium Research Institute
7700 Sandholdt Rd., Moss Landing, CA 95039-9644

Title: Cable, MOOS Controller can to MOOS Power can - 7 conductor

Size: B | Document Number: 1001535 | Rev: B

Date: Monday, November 10, 2003 | Sheet 1 of 1