

400250 Power Cable

SEA Supplied

20' Length or less for power requirements

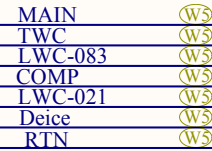
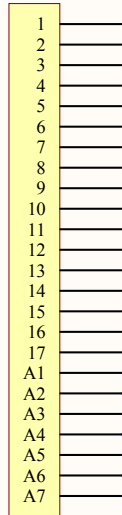
Actual Length TBD by Customer

A

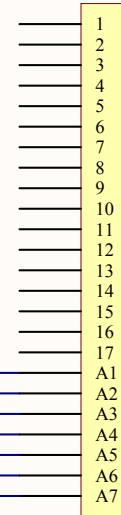
A

POWER OUT Circuit Breaker Box

J1
DDM24W7PK87



J2
DDM24W7SA197



POWER IN WCM2000 Power Box

B

B

Icing Certifications			
Breakers	AWG	Expected I	
Main	3	18	1.5
TWC	7.5	16	5.8
083	7.5	16	5.2
021	3	18	2
CMP	2	18	1
DCE	20	14	16
RTN	na	8	30.5

Power Loading Calculated by Appendix C worst case intermittent Conditions.

*Wire Rating Calculation using AC43.13-1B And AS50881 Version D

Altitude 45,000ft, 7 wires in bundle, 80% Load, 25 deg C

**Return can be Aircraft struture.

Multi Brochure Values			
Breakers	AWG	Expected I	
Main	3	18	1.5
TWC	20	12	16.5
083	15	12	13.3
021	5	16	4
CMP	2	18	1
DCE	20	12	16
RTN	RTN	8	52.3

0-10 gm/m3, TAS < 150 m/s, SL - 45,000 ft

*Wire Rating Calculation using AC43.13-1B And AS50881 Version D

Altitude 45,000ft, 7 wires in bundle, 80% Load, 25 deg C

**Return can be Aircraft struture.

C

C

Revision Notes:

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(W5) - MIL-W-16878/4 Wire or MIL-W-16878/5 Wire for 10AWG or larger



Title WCM Power Cable		Science Engineering Associates Inc. 114C Mansfield Hollow Road Mansfield Center, CT 06250 Phone : 860-450-1717 Fax : 860-450-1707	
Size: A	Schematic #: 400250-E Part/PCB #:	Revision: C	
File:400250-E.SchDoc		Date: 6/13/2014	Time: 9:35:08 AM Sheet 1 of 1

D

D