

REV.	DESCRIPTION	DATE
0	Initial release.	9/12/2011
<b>General Properties</b>	3 X 4 AWG Exrad XLE shielded power cable	
<b>Application</b>	Hybrid systems	
<b>General Composition of Cable</b>	See Below	


*Approved by  
Chuck Lau of  
Azure Dynamics  
Sept 23, 2011*

Physical Data		Dimensions (Nom.)	
		inches	mm
1. Conductor:	4 AWG 133/25 Bare Copper	0.242	6.15
2. Insulation:	Exrad XLE (orange) wall: 35 mil	0.312	7.92
3. Filler:	Filler as needed to make cable round		
Cable:	3X 4 AWG primaries and fillers	0.674	17.12
4. Tape:	.001" Polyester 1 mil	0.677	17.19
5. Drain:	12 AWG 65/30 Spirally wrapped TC drain		
6. Braid:	34 AWG TC 95% min coverage	0.715	18.16
7. Jacket:	Exrad XLE (orange) wall: 60 mil	0.835	21.21

Print Legend: "CHAMPLAIN CABLE XLE 3 X 4AWG SHIELDED POWER CABLE CCC XXXXX YYYYY"  
Where "XXXXX" is our engineering drawing number and "YYYYY" is our manufacturing lot number.

Inner cables to be marked "A", "B" and "C" with font size of 2-2.5mm (height x width) and letter spacing of approximately 35mm

<b>General Data</b>	Temperature Range:	-70 °C to +150 °C per ISO 6722
	Voltage Rating:	1,000 V
	Bend Radius:	6.7 inches (169.7 mm)

 175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200	<b>TITLE</b>  <h2 style="margin: 0;">3X 4 AWG Exrad XLE shielded power cable</h2>		
<b>UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES</b>  <b>DO NOT SCALE THIS DRAWING</b>	DRN. Solomon Mulugeta		DATE 9/12/2011
	CKD. John Mirkazemi		DATE 9/12/2011
	SIZE A	PART NUMBER To Be Determined	DOCUMENT NUMBER 14157
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