

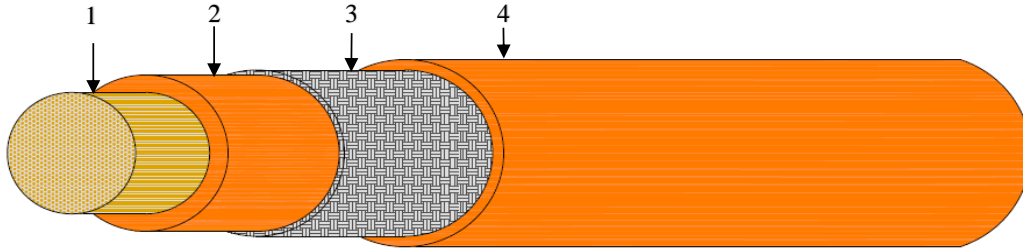
REV.	DESCRIPTION	DATE
0	Initial Release.	4/28/2016

**General Properties** 4/0 2107/30 BC EXTRAD HVFX Shielded XLE High Voltage Cable

**Application** Hybrid or Electric Powered Vehicles

**General Composition of Cable** See Below

**Color Code**  
 Inner Orange  
 Jacket Orange



**Physical Data**

Description	Dimensions (Nom.)	
	inches	mm
1. Conductor: 4/0 2107/30 Bare Copper	0.602	15.29
2. Insulation: EXTRAD HVFX wall thickness: 55 mil	0.712	18.08
3. Shield: 34 AWG Tinned Copper Braid, 95% coverage-Nominal	0.740	18.80
4. Jacket: EXTRAD XLE wall thickness: 44 mil	0.828	21.03
	OD Tolerance	+/- 0.021" +/- 0.53mm

Print Legend: CHAMPLAIN CABLE 4/0 EXTRAD HVFX SHIELDED EXTRAD XLE HIGH VOLTAGE CABLE 15414 XXXXX  
 XXXXX = lot code


**Electrical Data**

Conductor Resistance: 0.052ohms/kft 0.17 ohms/km @ 20°C nominal  
 Voltage Rating: 1,000 volts maximum AC, Tested to UL 758 Section 48 and per SAE 1654

**General Data**

Use: High Voltage Power Cables for Electric or Hybrid Vehicles  
 Temperature Range: -40° C to +150° C  
 Primary Insulation: Meets Performance Requirements of ISO 6722 Class D  
 Jacket Insulation: Meets Performance Requirements of ISO 6722, Section 5.13 150°C 3,000 Hours

Weight: 872 pounds/kft  
 Min. Static Bend Radius: inches mm  
 2.5 63

 175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200	TITLE		<b>4/0 2107/30 BC EXTRAD HVFX Shielded XLE          High Voltage Cable</b>	
	UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES		DRN.	DATE
		Michael Cienkus		4/28/2016
		CKD.	DATE	
		Rick Antic		4/29/2016
DO NOT SCALE THIS DRAWING	SIZE	PART NUMBER	DOCUMENT NUMBER	
	A	TBD	15414	
The information on this drawing is the proprietary property of Champlain Cable Corporation, and may not be used, reproduced or disclosed to others, in whole or in part, without written authorization.				PAGE 1 of 1