

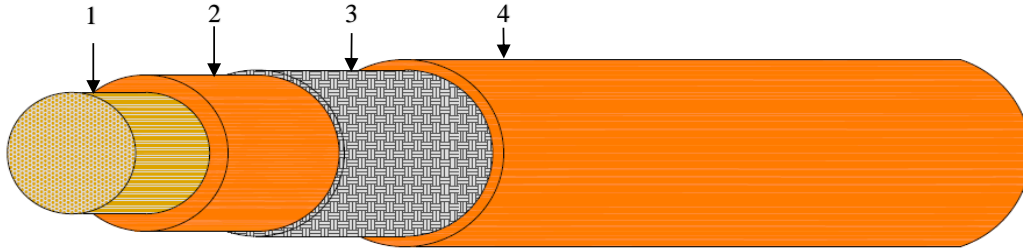
REV.	DESCRIPTION	DATE
0	Initial Release.	4/28/2016

**General Properties** 3/0 1615/30 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: 3/0 1615/30 Bare Copper	0.475	12.07
2. Insulation: EXTRAD HVFX wall thickness: 55 mil	0.585	14.86
3. Shield: 34 AWG Tinned Copper Braid, 95% coverage-Nominal	0.613	15.57
4. Jacket: EXTRAD XLE wall thickness: 40 mil	0.693	17.60
	OD Tolerance	+/- 0.017" +/- 0.43mm

Print Legend: CHAMPLAIN CABLE 3/0 EXTRAD HVFX SHIELDED EXTRAD XLE HIGH VOLTAGE CABLE 15413 XXXXX  
 XXXXX = lot code


**Electrical Data**

Conductor Resistance: 0.070 ohms/kft 0.222 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: 651 pounds/kft  
 Min. Static Bend Radius: inches 2.1 mm 53

 175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200	TITLE		<b>3/0 1615/30 BC EXTRAD HVFX Shielded XLE          High Voltage Cable</b>	
	DRN.	Michael Cienkus		
<b>UNLESS OTHERWISE SPECIFIED,          DIMENSIONS AND TOLERANCES          ARE IN INCHES</b>	CKD.	Jun Yi	DATE	4/29/2016
	DO NOT SCALE THIS DRAWING	SIZE A	PART NUMBER TBD	DOCUMENT NUMBER 15413
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