

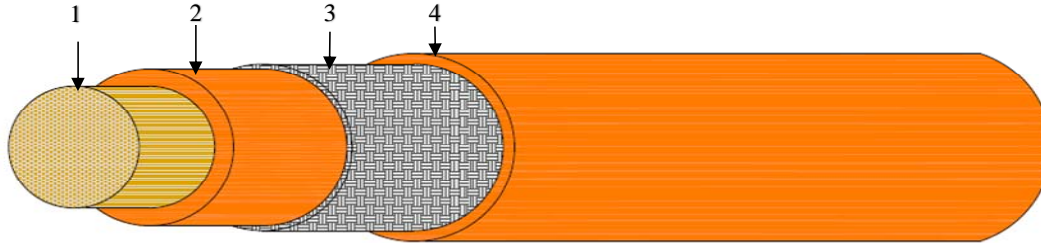
REV.	DESCRIPTION	DATE
0	Initial Release.	3/26/2016

**General Properties** 120.0mm<sup>2</sup> 2442/.25mm BC HVFX/XLE Shielded High Voltage Cable

**Application** Hybrid or Electric Powered Vehicles

**General Composition of Cable** See Below

**Color Code**  
 Inner Orange  
 Outer Jacket Orange



**Physical Data**

Description	Dimensions (Nom.)	
	inches	mm
1. Conductor: 120.0mm <sup>2</sup> 2442/.25mm bare copper	0.600	15.24
2. Insulation: EXTRAD HVFX wall thickness: 65 mil	0.730	18.54
3. Shield: 34 AWG Tinned Copper Braid, 95% coverage-Nominal	0.758	19.25
4. Jacket: EXTRAD XLE wall thickness: 88 mil	0.933	23.70
	OD Tolerance	+/- 0.015" +/- 0.38mm
Print Legend:	CHAMPLAIN CABLE 120.0mm <sup>2</sup> BC HVFX/XLE SHIELDED HIGH VOLTAGE CABLE 15348 XXXXX XXXXX = lot code	

**Electrical Data**

Conductor Resistance: 0.16 ohms/km (0.049 ohms/kft) @ 20 C nominal  
 Voltage Rating: 1,000 volts maximum per SAE J1654

**General Data**

Use: High Voltage Power Cables for Electric or Hybrid Vehicles  
 Temperature Range: -55° C to +150° C  
 Primary Insulation: Meets Requirements of ISO 6722-1 Thick Wall, Class D  
 Jacket Insulation: Meets Performance Requirements of ISO 6722, Section 5.13 150°C 3,000 Hours  
 Cable Meets Requirements of Draft Specification ISO 19642  
 Min. Static Bend Radius: inches 4.2 mm 107



TITLE  
**120.0mm<sup>2</sup> 2442/.25mm BC HVFX/XLE Shielded High Voltage Cable**

UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES

DRN.	Michael Cienkus	DATE	3/26/2016
CKD.	Nathan Bacon	DATE	3/28/2016

DO NOT SCALE THIS DRAWING

SIZE	PART NUMBER	DOCUMENT NUMBER
A	15-08220-XXX	15348