

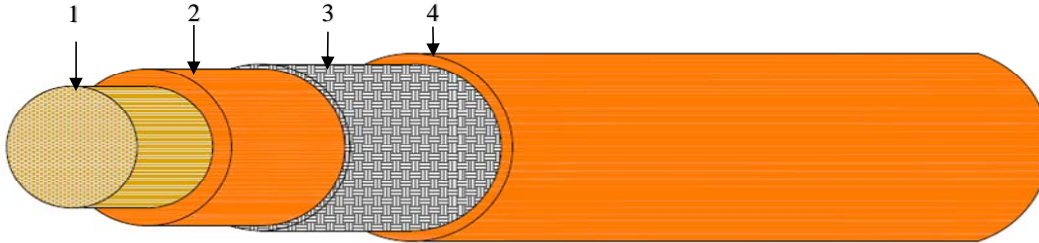
REV.	DESCRIPTION	DATE
0	Initial Release.	3/26/2016

General Properties 120.0mm² 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 ² 2442/.25mm bare copper	0.600	15.24
2. Insulation:	EXRAD 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:	EXRAD XLE wall thickness: 88 mil	0.933	23.70
		OD Tolerance	+/- 0.015" +/- 0.38mm
Print Legend:		CHAMPLAIN CABLE 120.0mm ² 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 mm
 4.2 107



TITLE
120.0mm² 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	

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