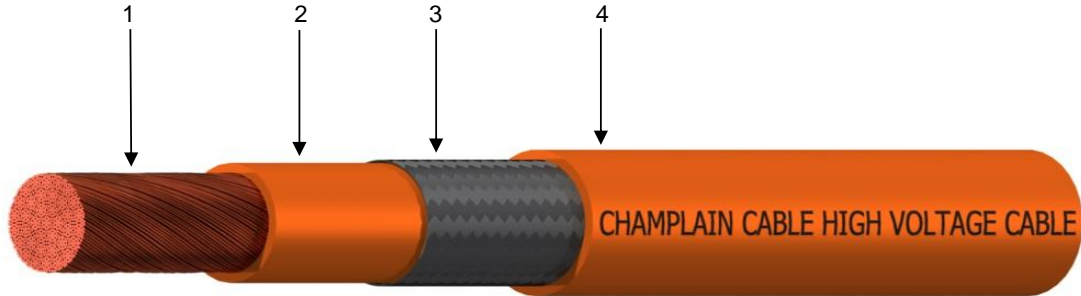


REV.	DESCRIPTION	DATE
0	Initial release.	10/30/2015

**General Properties** High voltage 50mm<sup>2</sup> 798/.28mm BC HVFX/XLE Shielded Thick wall 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:	50mm <sup>2</sup> 798/.28mm Bare Copper	0.390 9.91
2. Insulation:	EXRAD HVFX wall thickness: 50 mil	0.490 12.45
3. Shield	36 AWG Tinned Copper Braid, 95% coverage-Nominal	0.513 13.03
4. Jacket	EXRAD XLE wall thickness: 80 mil	0.673 17.09
	OD Tolerance	+/- 0.015" +/- 0.38mm

Print Legend: Champlain Cable 50mm<sup>2</sup> HVFX/XLE Shielded High Voltage Cable 15220 XXXXX  
 XXXXX = Traveler Number

**Electrical Data**

Resistance 0.343max mOhm/M at 20°C  
 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 Class D, Thick Wall  
 Jacket Insulation Meets Performance Requirements of ISO 6722 Class D  
 Min. Static Bend Radius: inches mm  
 2.0 51



TITLE  
 50mm<sup>2</sup> 798/.28mm BC HVFX/XLE Shielded Thick Wall

UNLESS OTHERWISE SPECIFIED,  
 DIMENSIONS AND TOLERANCES  
 ARE IN INCHES  
 DO NOT SCALE THIS DRAWING

DRN.	Michael Cienkus	DATE	10/30/2015
CKD.	Nathan Bacon	DATE	10/30/2015
SIZE	PART NUMBER	DOCUMENT NUMBER	
A	15-08173-XXX	15220	