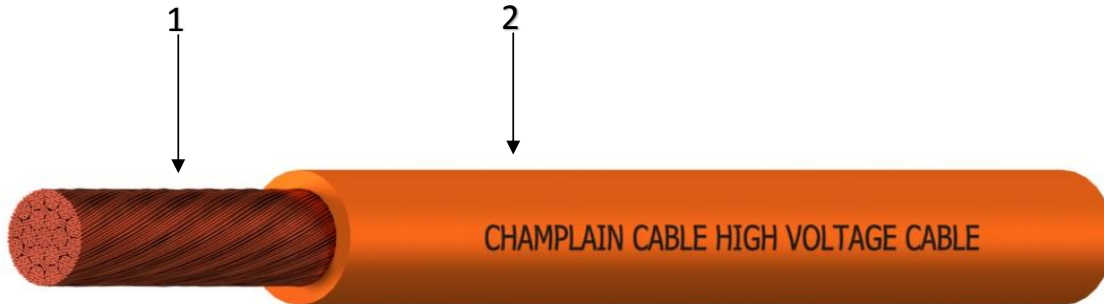


REV.	DESCRIPTION	DATE
0	Initial release.	3/25/2016

**General Properties** 50.0mm<sup>2</sup> 798/0.28mm Bare Copper HVFX Thick Wall High Voltage Cable

**Application** Hybrid or Electric powered Vehicles

**General Composition of Cable** See Below



**Color Code**  
Inner ORG

**Physical Data**

Description	Dimensions (Nom.)	
	inches	mm
1. Conductor:	0.390	9.91
2. Insulation:	0.500	12.70
	+/- 0.015"	+/- 0.3mm
Print Legend:	CHAMPLAIN CABLE 50.0mm <sup>2</sup> BC HVFX HIGH VOLTAGE CABLE 15344 XXXXX (xxxxx-lot code)	

**Electrical Data**

Conductor Resistance: 0.356 ohms/km (0.109 ohms/kft) @ 20° C nominal  
Voltage Rating: 1000 volts maximum per 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 Thick Wall, Class D  
Weight: 345 lbs/mft

Min. Static Bend Radius: inches mm  
2.0 51



175 HERCULES DRIVE  
COLCHESTER, VT 05446  
802-654-4200

**TITLE**

50.0mm<sup>2</sup> 798/0.28mm Bare Copper HVFX Thick Wall  
High Voltage Cable

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS AND TOLERANCES  
ARE IN INCHES

DRN.	Michael Cienkus	DATE	3/25/2016
CKD.	Nathan Bacon	DATE	3/28/2016
DO NOT SCALE THIS DRAWING	SIZE A	PART NUMBER TBD	DOCUMENT NUMBER 15344

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PAGE 1 of 1