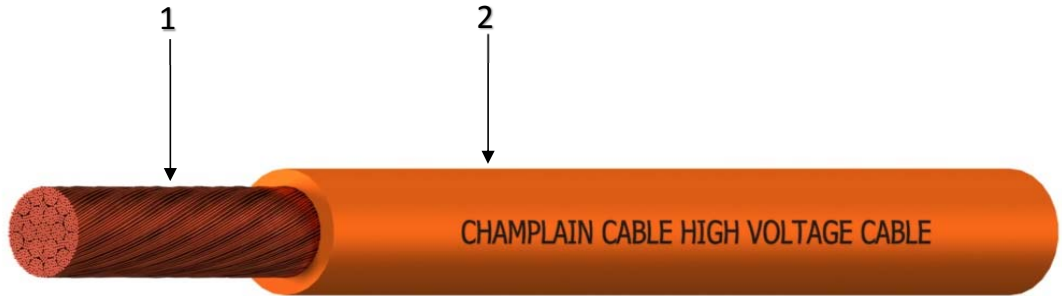


REV. 0	DESCRIPTION Initial release.	DATE 3/25/2016
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General Properties 50.0mm² 798/0.28mm Bare Copper HVFX Thick Wall High Voltage Cable

Application Hybrid or Electric powered Vehicles

General Composition of Cable See Below



Color Code
Orange
Black

Physical Data		Dimensions (Nom.)	
Description		inches	mm
1. Conductor:	50.0mm ² 798/0.28mm Bare Copper	0.390	9.91
2. Insulation:	EXRAD HVFX wall thickness: 55 mil OD Tolerance	0.500 +/- 0.015"	12.70 +/- 0.3mm
Print Legend:	CHAMPLAIN CABLE 50.0mm ² 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

	TITLE 50.0mm ² 798/0.28mm Bare Copper HVFX Thick Wall High Voltage Cable	
	UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES	DRN. Michael Cienkus CKD. Nathan Bacon
DO NOT SCALE THIS DRAWING	SIZE A PART NUMBER 15-08223	DOCUMENT NUMBER 15344
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