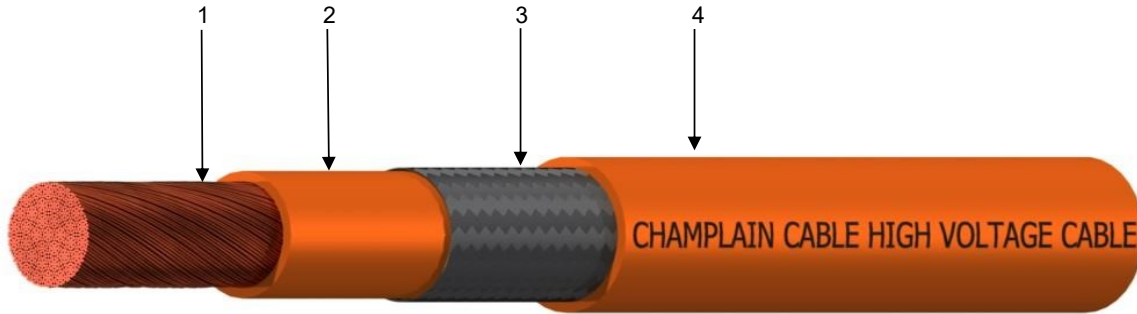


REV.	DESCRIPTION	DATE
0	Initial Release.	3/26/2016

General Properties 25.0mm² 798/.20mm 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: 25.0mm ² 798/.20mm bare copper	0.275	6.99
2. Insulation: EXTRAD HVFX wall thickness: 55 mil	0.385	9.78
3. Shield: 36 AWG Tinned Copper Braid, 95% coverage-Nominal	0.407	10.34
4. Jacket: EXTRAD XLE wall thickness: 70 mil	0.547	13.89
	OD Tolerance	+/- 0.015" +/- 0.38mm
Print Legend:	CHAMPLAIN CABLE 25.0mm ² BC HVFX/XLE SHIELDED HIGH VOLTAGE CABLE 15346 XXXXX XXXXXX = lot code	

Electrical Data

Conductor Resistance: 0.741 ohms/km (0.266 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 Thick Wall, Class D
 Jacket Insulation: Meets Performance Requirements of ISO 6722, Section 5.13 150°C 3,000 Hours
 Min. Static Bend Radius: inches mm
 1.6 42



TITLE
25.0mm² 798/.20mm 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	15-08218-XXX	15346	

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