

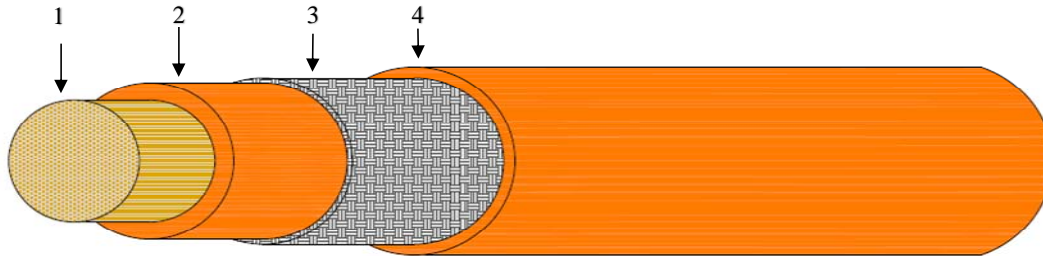
REV.	DESCRIPTION	DATE
0	Initial Release.	3/26/2016

General Properties 70.0mm² 1140/.28mm 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: 70.0mm ² 1140/.28mm bare copper	0.455	11.56
2. Insulation: EXRAD HVFX wall thickness: 65 mil	0.585	14.86
3. Shield: 34 AWG Tinned Copper Braid, 95% coverage-Nominal	0.613	15.57
4. Jacket: EXRAD XLE wall thickness: 75 mil	0.763	19.38
	OD Tolerance	+/- 0.015" +/- 0.38mm
Print Legend:	CHAMPLAIN CABLE 70.0mm ² BC HVFX/XLE SHIELDED HIGH VOLTAGE CABLE 15347 XXXXX XXXXX = lot code	

Electrical Data

Conductor Resistance: 0.251 ohms/km (0.077 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 3.4 mm 87

 175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200	TITLE		70.0mm ² 1140/.28mm BC HVFX/XLE Shielded High Voltage Cable	
	DRN.	Michael Cienkus		DATE
UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES	CKD.	Nathan Bacon	DATE	3/28/2016
	DO NOT SCALE THIS DRAWING	SIZE A	PART NUMBER TBD	DOCUMENT NUMBER 15347
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