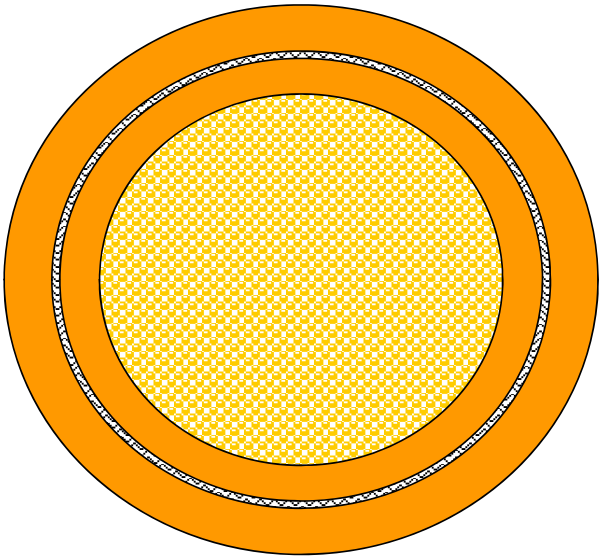
REV.	DESCRIPTION	DATE
0	Initial release.	12/14/2017
1	Changed od from 15.6 nom to 15.5 nom and braid coverage	3/22/2018

General Properties High Voltage 50mm2 EXRAD 150HVFX/XLE Cable

Application Hybrid or Electric Powered Vehicles

General Composition of Cable See Below



Color Code

Inner	Orange
Outer Jacket	Orange

Physical Data					Dimensions (Nom.)	
	Description				inches	mm
1.	Conductor:	50mm2 798/.28 bare copper			0.390	9.91
2.	Insulation:	EXRAD 150HVFX wall thickness: 50	mil	<D>	0.490	12.45
3.	Shield	34 AWG tinned copper braid 90% minimum coverage			0.518	13.16
4.	Jacket	EXRAD 150 XLE wall thickness: 46	mil		0.610	15.50
			Outside diameter tolerance		+/- 0.012	+/- 0.30mm

Print: Champlain Cable 16112 50mm2 EXRAD HVFX/XLE 1000 volts XXXXX

Electrical Data

Conductor Resistance::	0.368 ohms/km @20° C max.
Voltage Rating	1000 volts AC, Per SAE J1654

General Data

Use:	High Voltage Power Cables for Electric or Hybrid Vehicles	
Primary Insulation	Meets Requirements of ISO 6722-1 Thick wall Class D 150°C	
Jacket Insulation	Meets Requirements of ISO 6722-1 Class D 150°C Section 5.13	
UV Resistant:	Passes 1500 Hours Xenon Arc Lamp	
Weight	434 pounds/kft	
Bend Radius:	inches	mm
	4.3	109

CHAMPLAIN CABLE

TITLE

50mm2 BC EXRAD 150 HVFX / XLE Shielded Cable

UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES

DO NOT SCALE THIS DRAWING

DRN.	DATE
Rick Antic	12/14/2017
CKD.	DATE
Sue Tatro	2/8/2018

SIZE	PART NUMBER	DOCUMENT NUMBER
A	15-08386-001	16112