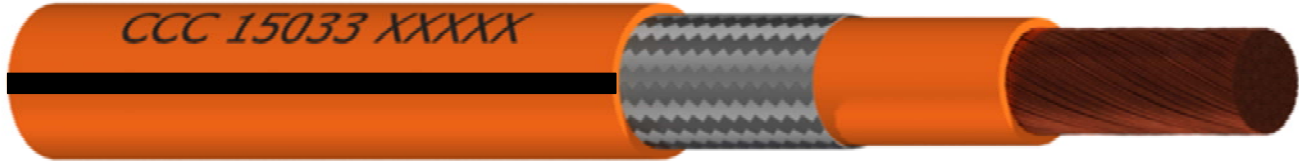


REV.	DESCRIPTION	DATE
1	Changed temperature ratings based on standard ISO 6722-1 requirements	7/2/2018
2	Add FT1 Flame Rating	10/8/2018
3	corrected the min static bend radius	3/21/2019
4	Add Stripe and Sequential Footage Marker	4/24/2019

Application Hybrid or Electric Powered Vehicles

General Composition of Cable See Below



Print legend depicted above is for example only and may not be representative of actual.

Color Code

Inner Orange
Outer Jacket Org/BK


Physical Data			Dimensions (Nom.)	
Description			inches	mm
1. Conductor:	1/0 1007/30 bare copper		0.390	9.91
2. Insulation:	EXRAD HVFX wall thickness: 42 mil		0.474	12.04
3. Shield	34 AWG tinned copper braid 95% minimum coverage		0.502	12.75
4. Jacket	EXRAD XLE UV wall thickness: 42 mil		0.587	14.90
		Outside diameter tolerance	0.009 +/- 0.23mm	
Print Legend:	CHAMPLAIN CABLE 1/0 BC HVFX/XLE SHIELDED HIGH VOLTAGE CABLE 17223 YYYYY XXXX YYYYY = Sequential Footage Marker XXXXX = lot code			

Electrical Data

Conductor Resistance: 0.104 ohms/kft 0.34 ohms/km @20° C nominal
Voltage Rating: 2000 volts max DC , 1500 Volts max. AC Tested to UL 758 Section 48
1000 volts per SAE J2840

General Data

Use: Primary only: 1000 volts per SAE J1654 1994
High Voltage Power Cables for Electric or Hybrid Vehicles
Temperature Range: -40° C to +150° C 3,000 Hours
Primary Insulation: Meets Requirements of ISO 6722-1 Class D 150° C
Jacket Insulation: Meets Requirements of ISO 6722-1 section 5.13 Class D 150° C
UV Resistance: Passes UL 720 Hour Exposure to Xenon Light
Flame Rating: FT1
Weight: 496 pounds/kft
Minimum Static Bend Radius: inches mm
1.8 45

 <p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES</p> <p>DO NOT SCALE THIS DRAWING</p>	TITLE			
	1/0 BC EXRAD HVFX/XLE Shielded Cable			
	DRN.	Richard Antic	DATE	6/14/2018
	CKD.	Sue Tatro	DATE	6/15/2018
	SIZE	PART NUMBER	DOCUMENT NUMBER	
	A	15-08429-XXX	17223	
z			PAGE 1 of 1	