

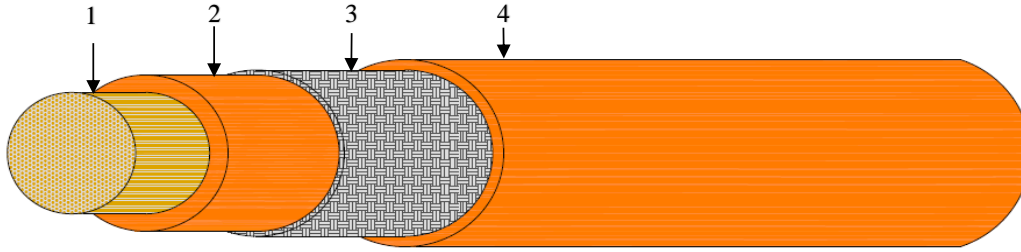
REV.	DESCRIPTION	DATE
0	Initial Release.	4/28/2016

General Properties 4/0 2107/30 BC EXTRAD HVFX Shielded XLE High Voltage Cable

Application Hybrid or Electric Powered Vehicles

General Composition of Cable See Below

Color Code
 Inner Orange
 Jacket Orange



Physical Data

Description	Dimensions (Nom.)	
	inches	mm
1. Conductor: 4/0 2107/30 Bare Copper	0.602	15.29
2. Insulation: EXTRAD HVFX wall thickness: 55 mil	0.712	18.08
3. Shield: 34 AWG Tinned Copper Braid, 95% coverage-Nominal	0.740	18.80
4. Jacket: EXTRAD XLE wall thickness: 44 mil	0.828	21.03
	OD Tolerance	+/- 0.021" +/- 0.53mm

Print Legend: CHAMPLAIN CABLE 4/0 EXTRAD HVFX SHIELDED EXTRAD XLE HIGH VOLTAGE CABLE 15414 XXXXX
 XXXXX = lot code


Electrical Data

Conductor Resistance: 0.052ohms/kft 0.17 ohms/km @ 20°C nominal
 Voltage Rating: 1,000 volts maximum AC, Tested to UL 758 Section 48 and per SAE 1654

General Data

Use: High Voltage Power Cables for Electric or Hybrid Vehicles
 Temperature Range: -40° C to +150° C
 Primary Insulation: Meets Performance Requirements of ISO 6722 Class D
 Jacket Insulation: Meets Performance Requirements of ISO 6722, Section 5.13 150°C 3,000 Hours

Weight: 872 pounds/kft
 Min. Static Bend Radius: inches mm
 2.5 63

 175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200	TITLE		4/0 2107/30 BC EXTRAD HVFX Shielded XLE High Voltage Cable		
	UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES		DRN.	Michael Cienkus	DATE
DO NOT SCALE THIS DRAWING		CKD.	Rick Antic	DATE	4/29/2016
		SIZE	PART NUMBER	DOCUMENT NUMBER	15414
		A	TBD		

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