

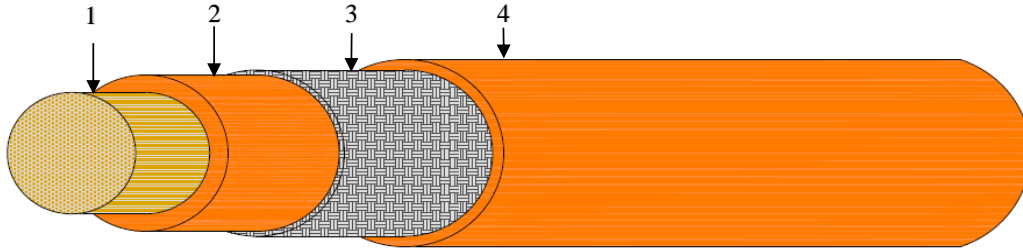
REV.	DESCRIPTION	DATE
0	Initial Release.	4/20/2016

**General Properties** 4/0 2107/30 BC EXTRAD FX Shielded FX-UV High Voltage Cable

**Application** Hybrid or Electric Powered Vehicles

**General Composition of Cable** See Below

Color Code	
Inner	Orange
Outer Jacket Option 1	Orange
Outer Jacket Option 2	Org/Blk



**Physical Data**

Description	Dimensions (Nom.)	
	inches	mm
1. Conductor: 4/0 2107/30 Bare Copper	0.600	15.24
2. Insulation: EXTRAD FX wall thickness: 55 mil	0.710	18.03
3. Shield: 34 AWG Tinned Copper Braid, 95% coverage-Nominal	0.738	18.75
4. Jacket: EXTRAD FX-UV wall thickness: 40 mil	0.818	20.78
	OD Tolerance	+/- 0.015" +/- 0.38mm


Print Legend: CHAMPLAIN CABLE 4/0 EXTRAD FX SHIELDED EXTRAD FX-UV HIGH VOLTAGE CABLE 15401 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: -55° 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  
 UV Resistance: Passes 1,500 Hour Exposure to Xenon Light  
 Weight: 856 pounds/kft  
 Min. Static Bend Radius: inches mm  
 2.5 62

 175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200	TITLE <h3 style="text-align: center;">4/0 2107/30 BC EXTRAD FX Shielded FX-UV High Voltage Cable</h3>	
	UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES	DRN. Michael Cienkus
	CKD. Jun Yi	DATE 4/21/2016
DO NOT SCALE THIS DRAWING	SIZE A	PART NUMBER TBD
		DOCUMENT NUMBER 15401
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