

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

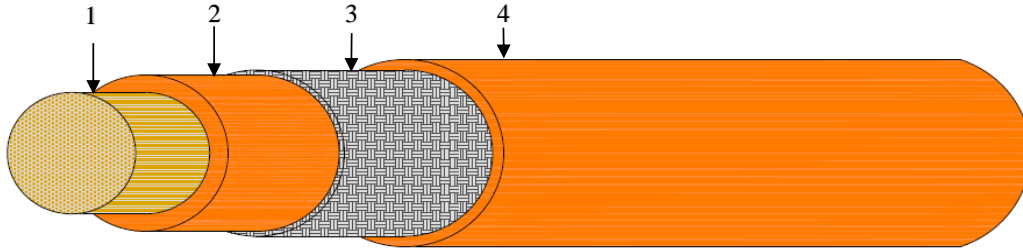
General Properties 4/0 2107/30 BC EXTRAD FX Shielded FX-UV High Voltage Cable

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		4/0 2107/30 BC EXTRAD FX Shielded FX-UV High Voltage Cable		
	UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES		DRN.	Michael Cienkus	DATE
		CKD.	Jun Yi	DATE	4/21/2016
DO NOT SCALE THIS DRAWING	SIZE	PART NUMBER		DOCUMENT NUMBER	
	A	TBD		15401	
The information on this drawing is the proprietary property of Champlain Cable Corporation, and may not be used, reproduced or disclosed to others, in whole or in part, without written authorization.					PAGE 1 of 1