

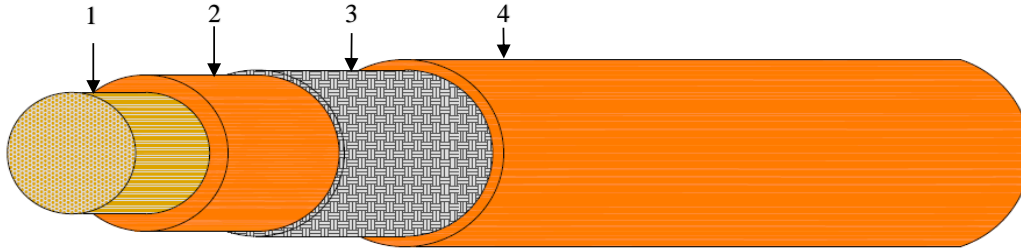
REV.	DESCRIPTION	DATE
0	Initial Release.	4/28/2016

General Properties 3/0 1615/30 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: 3/0 1615/30 Bare Copper	0.475	12.07
2. Insulation: EXTRAD HVFX wall thickness: 55 mil	0.585	14.86
3. Shield: 34 AWG Tinned Copper Braid, 95% coverage-Nominal	0.613	15.57
4. Jacket: EXTRAD XLE wall thickness: 40 mil	0.693	17.60
	OD Tolerance	+/- 0.017" +/- 0.43mm

Print Legend: CHAMPLAIN CABLE 3/0 EXTRAD HVFX SHIELDED EXTRAD XLE HIGH VOLTAGE CABLE 15413 XXXXX
 XXXXX = lot code


Electrical Data

Conductor Resistance: 0.070 ohms/kft 0.222 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: 651 pounds/kft
 Min. Static Bend Radius: inches 2.1 mm 53

 175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200	TITLE		3/0 1615/30 BC EXTRAD HVFX Shielded XLE High Voltage Cable	
	DRN.	Michael Cienkus		
UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES	CKD.	Jun Yi	DATE	4/29/2016
	DO NOT SCALE THIS DRAWING	SIZE A	PART NUMBER TBD	DOCUMENT NUMBER 15413
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