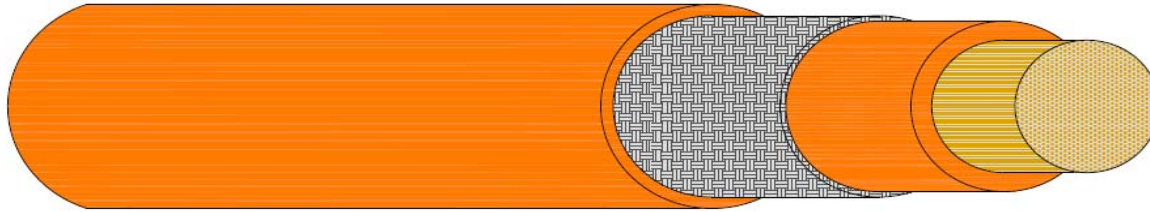


REV.	DESCRIPTION	DATE
0	Initial release.	11/28/2011
1	add reference to SAE J1654	1/18/2013

**General Properties** High Voltage 4/0 EXTRAD FX Foil and Braid Shielded Cable

**Application** Hybrid or Electric Powered Vehicles

**General Composition of Cable** See Below



**Color Code**

Inner	Orange
Outer Jacket	Orange

Physical Data		Dimensions (Nom.)	
Description		inches	mm
1. Conductor:	4/0 2107/30 bare copper	0.600 +/- .015	15.24
2. Insulation:	EXRAD FX wall thickness: 55 mil	0.710	18.03
3. Shield:	Aluminum Polyester 1.5 mil	0.714	18.14
4. Shield:	34 AWG tinned copper braid 85% minimum coverage	0.742	18.85
5. Jacket:	EXRAD FX-UV wall thickness: 45 mil	0.832	21.13
		Outside diameter tolerance:	+/- 0.015 +/- 0.38mm

**Electrical Data**

Conductor Resistance: 0.052 ohms/kft 0.17 ohms/km @ 20° C nominal

Voltage Rating: 2000 volts max DC , Tested to UL 758 Section 48  
1000 volts per SAE J2840 draft proposal  
Primary only: 1000 volts per SAE J1654

**General Data**

Use: High Voltage Power Cables for Electric or Hybrid Vehicles

Temperature Range: -55° C to +110° C 20,000+ Hours

Primary Insulation: Meets Requirements of ISO 6722 Class D 150°C section 5.13

Jacket Insulation: Meets Performance Requirements of ISO 6722 Class D 150°C section 5.13

UV Resistance: Passes 1500 Hour Exposure to Xenon Light

Weight: 874 pounds/kft

Minimum Static Bend Radius: inches mm  
5.0 126.9



175 HERCULES DRIVE  
COLCHESTER, VT 05446  
802-654-4200

TITLE	4/0 BC EXTRAD FX Shielded Cable	
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES	DRN.	Rick Antic	DATE	11/28/2011
	CKD.	Nathan Bacon	DATE	4/12/2016
DO NOT SCALE THIS DRAWING	SIZE	PART NUMBER	DOCUMENT NUMBER	
	A	15-07891-001	14206	

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