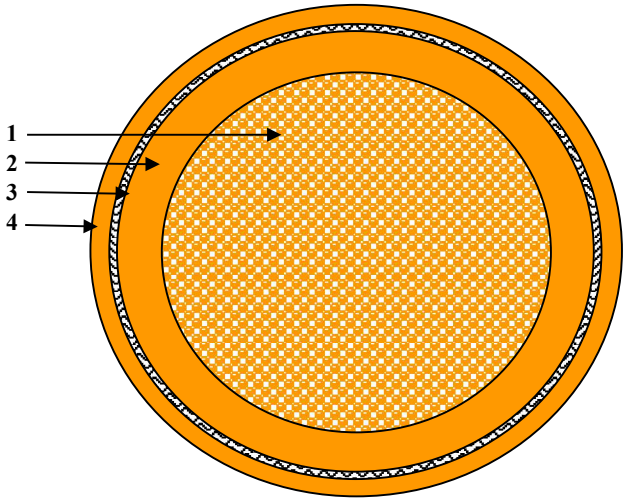
REV.	DESCRIPTION	DATE
0	Initial release.	10/3/2013

General Properties High Voltage 1/0 EXRAD FX Bare Copper Shielded Cable

Application Hybrid or Electric Powered Vehicles

General Composition of Cable See Below



Color Code

Inner	TBD
Outer Jacket	TBD

Physical Data			Dimensions (Nom.)	
	Description		inches	mm
1.	Conductor:	1/0 1007/30 bare copper	0.390 +/- .015	9.91
2.	Insulation:	EXRAD FX wall thickness: 50 mil	0.490	12.45
3.	Shield	34 AWG tinned copper 90% minimum coverage	0.518	13.16
4.	Jacket	EXRAD FX-UV wall thickness: 45 mil	0.608	15.44
		Outside diameter tolerance	+/- 0.015	+/- 0.38mm

Electrical Data

Conductor Resistance::	0.108 ohms/kft 0.356 ohms/km @20° C nominal
Voltage Rating	1,000 volts max AC , Tested to UL 758 Section 28 and per SAE 1654

General Data

Use:	High Voltage Power Cables for Electric or Hybrid Vehicles
Temperature Rating:	ISO 6722 Class D 150°C
Temperature Range:	-70º C to +150º C 3,000+ Hours
Primary Insulation	Meets Requirements of ISO 6722 Class D 150°C
Jacket Insulation	Meets Requirements of ISO 6722 Class D 150°C
UV Resistance	Passes 1,500 Hour Exposure to Xenon Light
Weight	435 pounds/kft
Minimum Static Bend Radius:	inches mm
	2.7 70

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

TITLE

1/0 BC EXRAD FX/UV Shielded Cable

UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES

DO NOT SCALE THIS DRAWING

DRN.	DATE
Steve Blum	10/3/2013
CKD.	DATE

SIZE	PART NUMBER	DOCUMENT NUMBER
A		14539

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ETF-011 Owner: RF Business Unit Manager - Approved By: VP of Operations / 27 February 2004