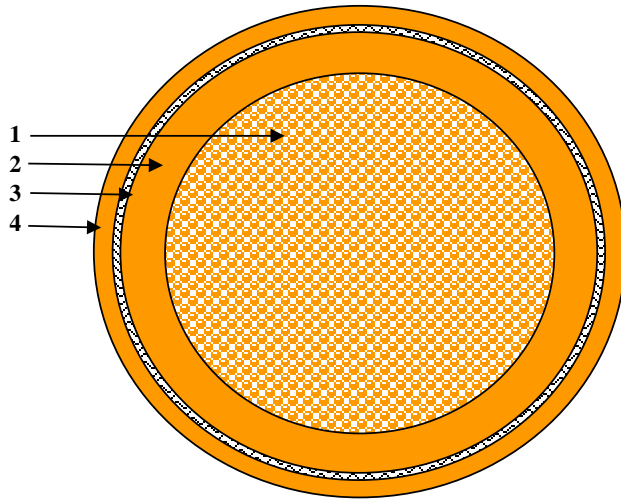


REV.	DESCRIPTION	DATE
0	Initial release.	10/3/2013

General Properties High Voltage 1/0 EXTRAD 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	Description	Dimensions (Nom.)	
		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: -70° C to +150° 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

 <p>175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200</p> <p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES</p> <p>DO NOT SCALE THIS DRAWING</p>	TITLE		1/0 BC EXTRAD FX/UV Shielded Cable	
	DRN. Steve Blum		DATE 10/3/2013	
	CKD.		DATE	
	SIZE A	PART NUMBER	DOCUMENT NUMBER 14539	
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