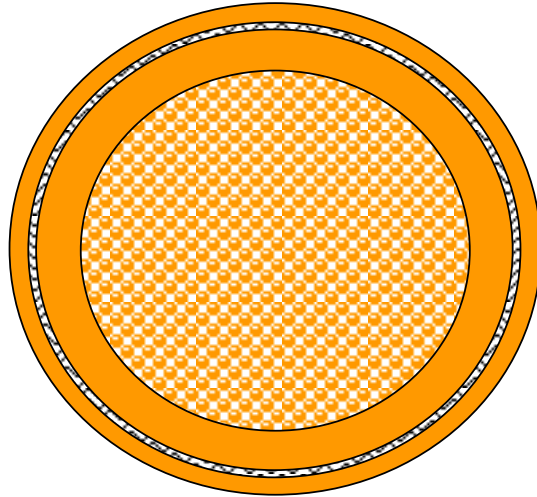


REV.	DESCRIPTION	DATE
0	Initial release.	3/13/2015

General Properties High Voltage 1/0 EXTRAD HVFX/XLE Braid Shielded Cable

Application Hybrid or Electric Powered Vehicles

General Composition of Cable See Below



Color Code

Inner Orange
Outer Jacket Orange

Physical Data	Description	Dimensions (Nom.)	
		inches	mm
1. Conductor:	1/0 1007/30 bare copper	0.390 +/- .015	9.91
2. Insulation:	EXRAD HV FX wall thickness: 55 mil	0.500	12.70
3. Shield	34 AWG tinned copper braid 95% minimum coverage	0.528	13.41
4. Jacket	EXRAD XLE wall thickness: 47 mil	0.621	15.77
		Outside diameter tolerance	+/- 0.015 +/- 0.38mm

Electrical Data

Conductor Resistance: 0.104 ohms/kft 0.34 ohms/km @20° C nominal

Voltage Rating: 2000 volts max DC , 1500 Volts max. AC Tested to UL 758 Section 48
1000 volts per SAE J2840

General Data

Primary only: 1000 volts per SAE J1654

Use: High Voltage Power Cables for Electric or Hybrid Vehicles

Temperature Range: -40° C to +110° C

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 UL 720 Hour Exposure to Xenon Light

Weight: 515 pounds/kft

Minimum Static Bend Radius: inches mm
2.5 63



TITLE

1/0 BC EXTRAD HVFX/XLE Shielded Cable

UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES DO NOT SCALE THIS DRAWING	DRN.	Richard Antic	DATE	3/13/2015
	CKD.	N. Bacon	DATE	8/20/2015
	SIZE	PART NUMBER	DOCUMENT NUMBER	14999
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