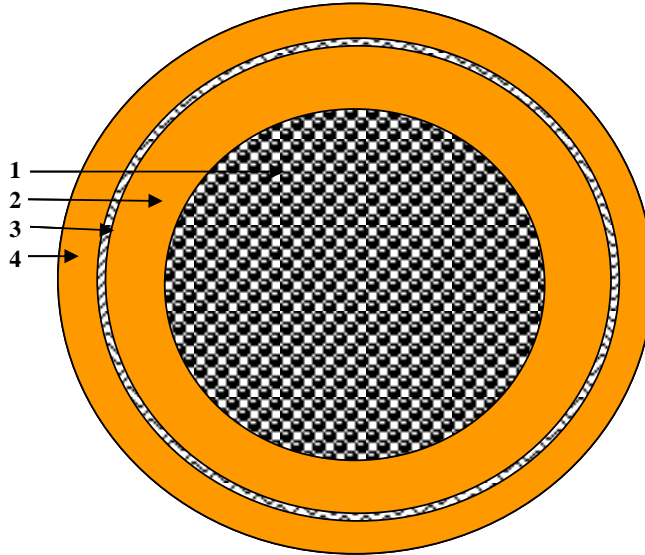


REV.	DESCRIPTION	DATE
0	Initial release.	4/23/2015
1	Added part number	6/5/2015

General Properties High Voltage 1 AWG EXTRAD XLE 155/XLE 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:	1 AWG 19x41/30 Bare Copper	0.346	8.78
2. Insulation:	EXRAD XLE 15 wall thickness: 50 mil	0.446	11.32
3. Shield	36 AWG tinned copper braid 95% minimum coverage	0.468	11.87
4. Jacket	EXRAD XLE wall thickness: 40 mil	0.548	13.91
		Outside diameter tolerance	+/- 0.015 +/- 0.38mm

Print Legend: EXTRAD XLE 155/XLE 1 AWG Shielded Cable XXXXX xxxxx-lot code

Electrical Data

Conductor Resistance:: 0.140 ohms/kft @20° C nominal
Voltage Rating 1000 volts max, per SAE 1654, Tested to UL 758 Section 48

General Data

Use: High Voltage Power Cables for Electric or Hybrid Vehicles
Temperature Range: -55° C to +150° C per ISO 6722 3000 Hours
Primary Insulation Meets Performance Requirements of ISO 6722 Class D 150°C
Jacket Insulation Meets Performance Requirements of ISO 6722 Class D 150°C

Weight pounds/kft
Bend Radius: inches mm
1.5 38



TITLE
1 AWG BC EXTRAD XLE 155/XLE Shielded Cable

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS AND TOLERANCES
ARE IN INCHES

DO NOT SCALE THIS DRAWING

DRN.	Michael Cienkus	DATE	4/23/2015
CKD.	N. Bacon	DATE	6/10/2015
SIZE	PART NUMBER	DOCUMENT NUMBER	
A	15-08146-001	15037	