

REV.	DESCRIPTION	DATE
0	Initial release.	10/30/2015

General Properties

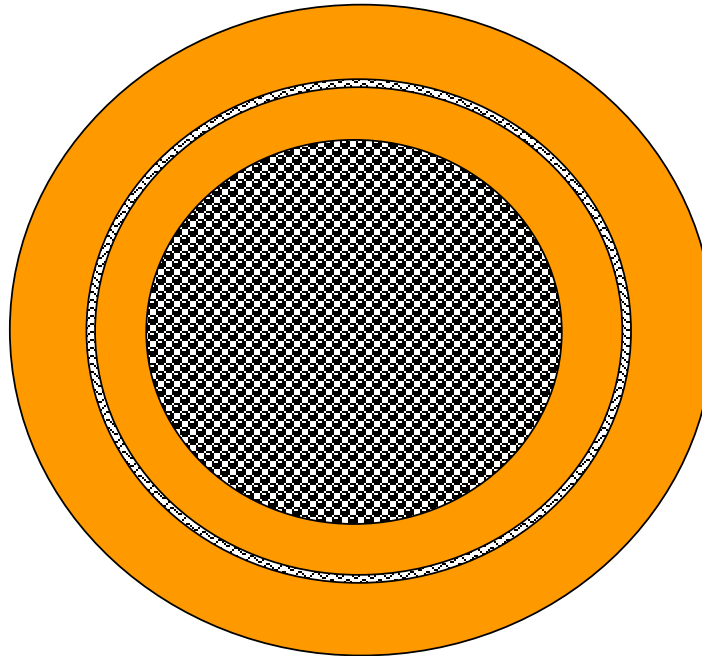
High voltage 35mm² 551/.28mm BC HVFX/XLE Shielded Thick wall Cable

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:	35mm ² 551/.28mm Bare Copper	0.310 7.87
2. Insulation:	EXRAD HVFX wall thickness: 50 mil	0.420 10.67
3. Shield	36 AWG Tinned Copper Braid, 95% coverage-Nominal	0.443 11.25
4. Jacket	EXRAD XLE wall thickness: 74 mil	0.590 14.99
	OD Tolerance	+/- 0.015" +/- 0.38mm

Print Legend: Champlain Cable 35mm² HVFX/XLE Shielded High Voltage Cable 15219 XXXXX
 XXXXX = Traveler Number

Electrical Data

Resistance 0.527max mOhm/M at 20°C
 Voltage Rating 1,000 volts maximum per SAE J1654

General Data

Use: High Voltage Power Cables for Electric or Hybrid Vehicles
 Temperature Range: -55° C to +150° C
 Primary Insulation Meets Requirements of ISO 6722 Class D, Thick Wall
 Jacket Insulation Meets Performance Requirements of ISO 6722 Class D
 Min. Static Bend Radius: inches mm
 1.8 45



TITLE
 35mm² 551/.28mm BC HVFX/XLE Shielded Thick Wall

UNLESS OTHERWISE SPECIFIED,
 DIMENSIONS AND TOLERANCES
 ARE IN INCHES

DO NOT SCALE THIS DRAWING

DRN.	Michael Cienkus	DATE	10/30/2015
CKD.	Nathan Bacon	DATE	10/30/2015
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