

REV.	DESCRIPTION	DATE
0	Initial release.	6/28/2017
1	Updated Voltage. Added Braid Resistance	8/2/2017

General Properties

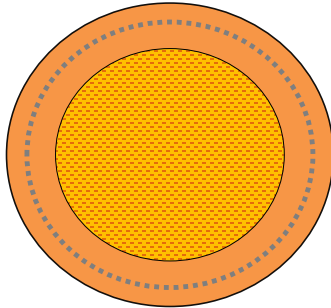
High Voltage 2/0 Tin Copper EXTRAD FX Cable

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:	2/0 1330/30 tin copper	0.475	12.07
2. Insulation:	EXRAD 150FX wall thickness: 50 mil	0.575	14.61
3. Shield	34 AWG tinned copper braid 95% minimum coverage	0.603	15.32
4. Jacket	EXRAD 150FX wall thickness: 40 mil	0.683	17.35
Outside diameter tolerance		+/- 0.015	+/- 0.38mm

Print Legend:

TBD

Electrical Data

Conductor Resistance: .090 ohms/kft 0.30 ohms/km @20° C nominal
Voltage Rating: 2,000 volts ACrms / VDC, Tested to UL 758 Section 29
Braid Shield Resistance: 1.08 milli-Ohms / ft

General Data

Use: High Voltage Power Cables for Electric or Hybrid Vehicles
Temperature Range: -70° C to +110° C 100,000 Hours
Primary Insulation: Meets material Requirements of ISO 6722-1 Class D 150°C
Jacket Insulation: Meets material Requirements of ISO 6722-1 Class D 150°C
UV Resistance: Passes UL 720 Hour Exposure to Xenon Light
Weight: 545 pounds/kft
Min Static Bend Radius: inches mm
3.4 87



TITLE	2/0 AWG TC EXTRAD FX Shielded Cable	
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UNLESS OTHERWISE SPECIFIED,
DIMENSIONS AND TOLERANCES
ARE IN INCHES

DO NOT SCALE THIS DRAWING

DRN.	David Dexter	DATE	6/28/2017
CKD.	Sue Tatro	DATE	7/10/2017
SIZE	PART NUMBER	DOCUMENT NUMBER	15992
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