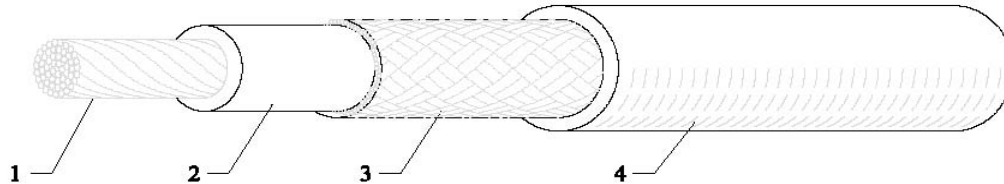


REV.	DESCRIPTION	DATE
0	Initial release.	6/25/2009

**General Properties** EXRAD FX 150°C 600 Volt 10 AWG (5mm<sup>2</sup>) BC

**Application** High Voltage Vehicles

**General Composition of Cable** See Below



**Color Code**

Primary Jacket Orange  
TBD

**Physical Data**

Description	Dimensions (Nom.)	
	inches	mm
1. Conductor: 10 AWG 105/30 Bare Copper (5mm <sup>2</sup> )	0.113	2.87
2. Insulation: EXAR 150 FX wall thickness: 0.48 mm	0.151	3.84
3. Braid: 36 AWG Tinned Copper 95% minimum coverage	0.178	4.52
4. Jacket: 150 FX 0.51 mm	0.218	5.54 +/- .08

Print Legend CHAMPLAIN EXRAD FX 10 AWG SHIELDED BATTERY CABLE XXXXX

**Electrical Data** Conductor Resistance:: 1.04 ohms/kft @20 C nominal  
Voltage Rating 1000 Volts per SAE 1654 1994-6

**General Data** Meets Requirements of M5121 201 through 205  
Use: High Voltage Vehicles  
Temperature Range: -70° C to +150° C  
Maximum Oil Resistance: 60° C  
Primary Cable per SAE 1127 STX and M5121  
Braid Details 24 Carrier 36AWG TC 7 Ends 8 Picks  
UV Resistance Passes 1500 Hour Exposure to Xenon Light  
Weight 57.5 pounds/kft copper weight = 46.52 pounds/kft  
Bend Radius: inches mm  
0.00 0.0



TITLE	EXRAD 150 FX 10 AWG High Voltage Cable	
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES  DO NOT SCALE THIS DRAWING	DRN.	Steve Blum	DATE	9/29/2009
	CKD.		DATE	
	SIZE	PART NUMBER	DOCUMENT NUMBER	
	A	15-07728	13861	

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