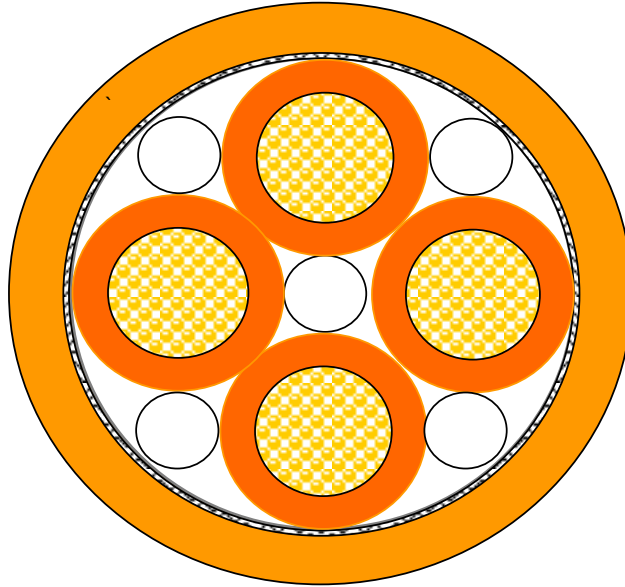


REV.	DESCRIPTION	DATE
0	Initial release.	12/2/2014
1	add barrier tape over the cable core and under the braided shield	12/30/2014

**General Composition of Cable**



Color Code	Print
1 Orange	One
2 Orange	Two
3 Orange	Three
4 Orange	Four
Jacket Orange	

**Physical Data**

Description	Dimensions (Nom.)	
	inches	mm
1. Conductor:	10 AWG 105/30 Bare Copper	0.114 2.90
2. Insulation:	EXRAD HVFX: wall thickness: 30 mil	0.174 4.42
3. Filler:	Flame Retardant Polypropylene Fillers	0.070 1.78
Cabling:	Primaries + fillers Lay Length: 6-8" Direction: Left	0.419 10.66
4. Barrier:	polyester 1 mil	0.422 10.74
5. Shield:	34 AWG Tinned Copper 85% minimum coverage	0.450 11.45
6. Jacket:	EXRAD XLE-UV wall thickness: 45 mil	0.540 13.7
Print Legend:	Champlain Cable 4 X 10 HVFX/XLE-UV 14893 XXXXX XXXXXX = Traveler Number	

**Electrical Data**

Conductor Resistance: 1.04 ohms / mft per phase  
 Conductor CMA: 10500 nom.

**General Data**

Use: Hybrid and Electric Vehicles  
 Temperature Range: -40° C to +150° C  
 Primary and Jacket Insulation: Meets Requirements of ISO 6722 Class D 150°C  
 UV Resistance: Passes UL 720 Hour Exposure to Xenon Light  
 Maximum Oil Resistance: 60° C per UL758 Table 15.1  
 Primary Wire Voltage Rating: 1000 Volts AC Max per SAE J1654.  
 Bend Radius: inches mm  
 4 96  
 Weight: 265 pounds/kft nom.



TITLE	High Flex Cable (4) Conductor - 10 AWG	
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UNLESS OTHERWISE SPECIFIED,  
 DIMENSIONS AND TOLERANCES  
 ARE IN INCHES  
 DO NOT SCALE THIS DRAWING

DRN.	Rick Antic	DATE	12/2/2014
CKD.	N. Bacon	DATE	8/20/2015
SIZE	PART NUMBER	DOCUMENT NUMBER	14893
A			