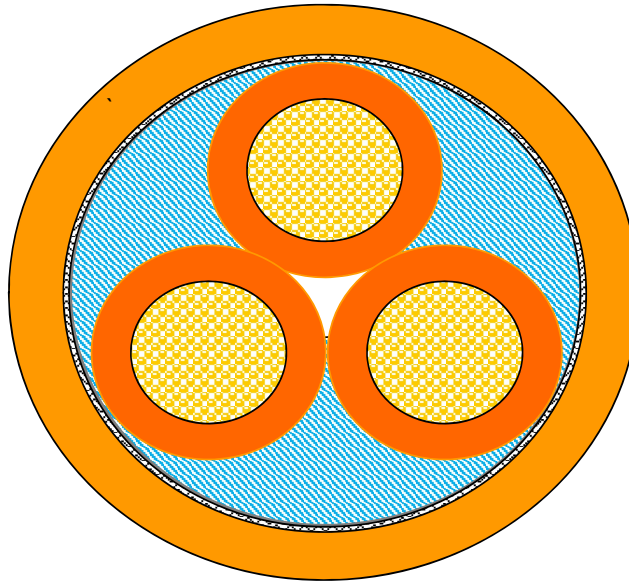


REV.	DESCRIPTION	DATE
0	Initial release.	3/13/2015

General Composition of Cable



Color Code	Print
1 Orange	One
2 Orange	Two
3 Orange	Three
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: 21 mil	0.156 3.97
3. Filler:	Flame Retardant Polypropylene Fillers	as needed
4. Cabling:	Primaries + fillers Lay Length: TBD Direction: Left	0.339 8.61
5. Shield:	34 AWG Tinned Copper 95% minimum coverage	0.367 9.32
6. Jacket:	EXRAD XLE wall thickness: 47 mil	0.461 11.7
Print Legend:	Champlain Cable 3 X 10 HVX-XLE UV 15002 XXXXX XXXXX = 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:	-55° 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
Voltage Rating:	600 Volts AC Max.
Bend Radius:	inches mm 3.7 94
Weight	204 pounds/kft nom.



TITLE	High Flex Cable (3) Conductor - 10 AWG	
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES DO NOT SCALE THIS DRAWING	DRN.	Richard Antic	DATE	3/13/2015
	CKD.		DATE	
	SIZE	PART NUMBER	DOCUMENT NUMBER	15002