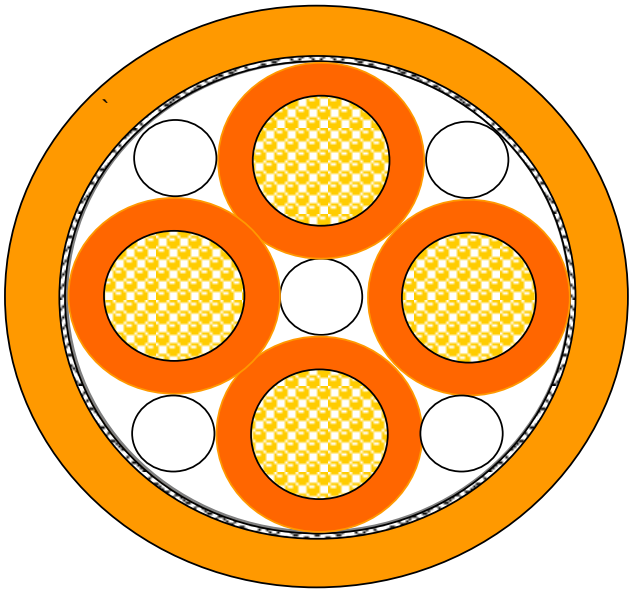
REV.	DESCRIPTION	DATE
0	Initial release.	12/2/2014
1	add barrier tape over the cable core and under the braided shield	12/30/2014

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 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:	-40º C to +150º 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:	60º 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.

CHAMPLAIN CABLE
175 HERCULES DRIVE
COLCHESTER, VT 05446
802-654-4200

TITLE

High Flex Cable (4) Conductor - 10 AWG

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 A	PART NUMBER	DOCUMENT NUMBER 14893	