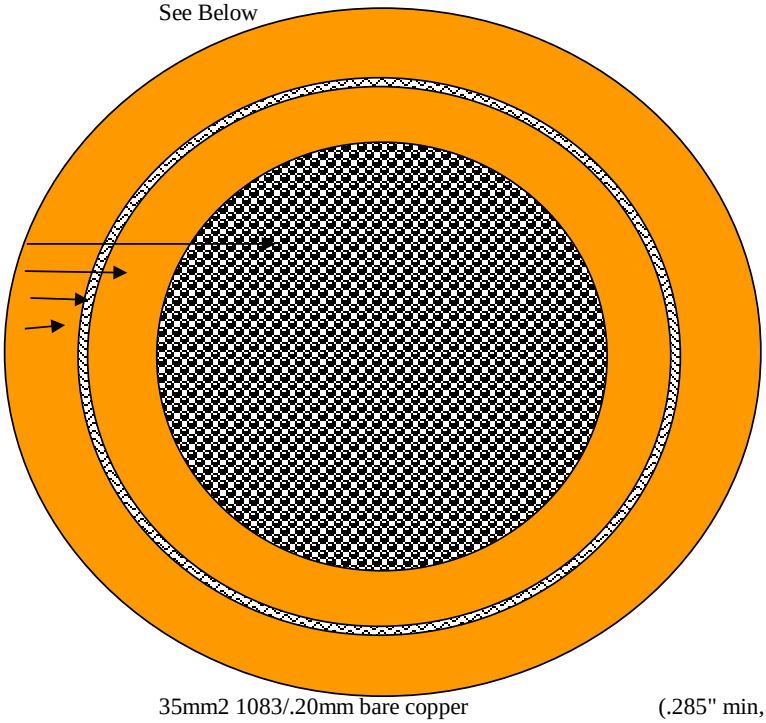
REV.	DESCRIPTION	DATE
0	Initial release.	5/29/2014
1	reduce jacket thickness and OD	8/14/2014
2	Modify braid detail and correct OD's	8/20/2014

General Properties High voltage 35mm2 1083/.20mm BC HVFX/XLE Shielded Thickwall Battery Cable

Application Hybrid or Electric powered Vehicles

General Composition of Cable See Below



Color Code

Inner	Orange
Outer Jacket	Orange

Physical Data

	Description					Dimensions (Nom.) inches	mm
1.	Conductor:	35mm2 1083/.20mm bare copper			(.285" min, .305" Max	0.295	7.49
2.	Insulation:	EXRAD HVFX wall thickness:	53	mil	(.390" min, .410" max	0.401	10.19
3.	Shield	34 AWG Tinned Copper Braid, 95% coverage-Nominal				0.429	10.90
4.	Jacket	EXRAD XLE wall thickness:	64	mil	(.545" Min, .565" max	0.556	14.12

Electrical Data

Resistance	0.489min, 0.527max mOhm/M at 20°C
Voltage Rating	1,000 volts maximum per SAE J1654

General Data

Use:	High Voltage Power Cables for Electric or Hybrid Vehicles	
Temperature Range:	-40º C to +150º C	
Primary Insulation	Meets Requirements of GMW 15839 Class D	
Jacket Insulation	Meets Requirements of GMW15839 Class D	
Bend Radius:	inches	mm
	1.67	42.4
Weight	322 lbs/mft	

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

TITLE

35mm2 1083/.20mm BC HVFX/XLE Shielded Thickwall

UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES

DO NOT SCALE THIS DRAWING

DRN. Steve Blum		DATE 5/29/2014	
CKD. Jun Yi		DATE 11/13/2014	
SIZE A	PART NUMBER 15-08055-001	DOCUMENT NUMBER 14717	

ETF-011 Owner: RF Business Unit Manager - Approved By: VP of Operations / 27 February 2004