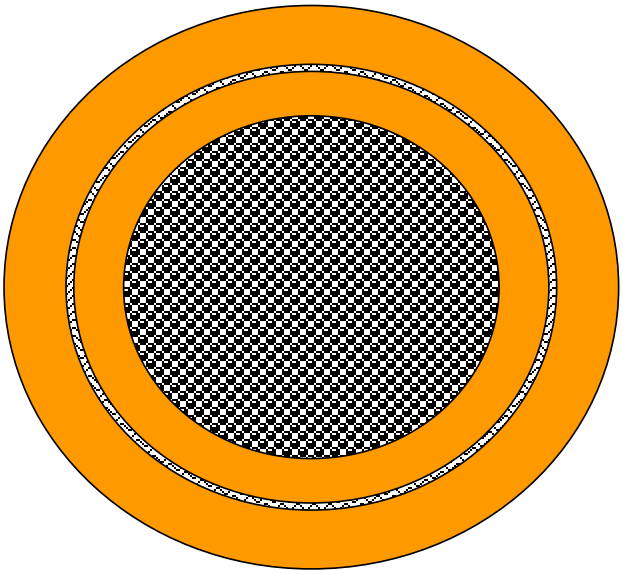
REV.	DESCRIPTION	DATE
0	Initial release.	2/26/2015
6	Revised Ford specification info to overall cable	2/26/2018

General Properties High voltage 25mm2 154/.46mm BC FX Shielded Thinwall Battery Cable
Application Hybrid or Electric powered Vehicles
General Composition of Cable See Below



Physical Data

	Description		Dimensions (Nom.) inches	mm
1.	Conductor:	25mm2 154/.46mm bare copper (.247" min, .314" Max)	0.275	6.99
2.	Insulation:	EXRAD HVFX wall thickness: 30 mil (.311 min, .342" max)	0.335	8.51
3.	Shield	34 AWG Tinned Copper Braid, 95% coverage-Nominal (.374" max)	0.363	9.22
4.	Jacket	EXRAD XLE wall thickness: 35 mil (.421" Min, .444" max)	0.433	11.00

Electrical Data

Voltage Rating	600 volts maximum per ISO 6722-1
Conductor Resistance	0.688 mOhm/M min, 0.743max mOhm/M at 20°C, 0.918 mOhm/M @80°C max.
Shield Resistance	6.53 mOhm/M nom at 20°C, 8.07 mOhm/M @80°C max.
Ampacity:	294 amps based upon a single conductor in free air, 30°C Ambient*

General Data

Use:	High Voltage Power Cables for Electric or Hybrid Vehicles
Temperature Range:	-40º C to +150º C
Primary:	Meets requirements per ES-AU5T-1A348-AA 4TAF & 4TAH
Overall Cable:	Meets requirements per Ford's ES-9E58-14B322-AA 4TAG
Bend Radius:	inches 2.17 mm 55.0

* The listed ampacity is an estimate, and requires testing in the actual application under real World conditions to determine suitability.

CHAMPLAIN CABLE

TITLE

25mm2 154/.46mm Exrad HVFX/XLE Shielded Thinwall

UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES

DO NOT SCALE THIS DRAWING

DRN.	DATE
Steve Blum	2/26/2015
CKD.	DATE

SIZE	PART NUMBER	DOCUMENT NUMBER
A	15-08126-xxx	14978