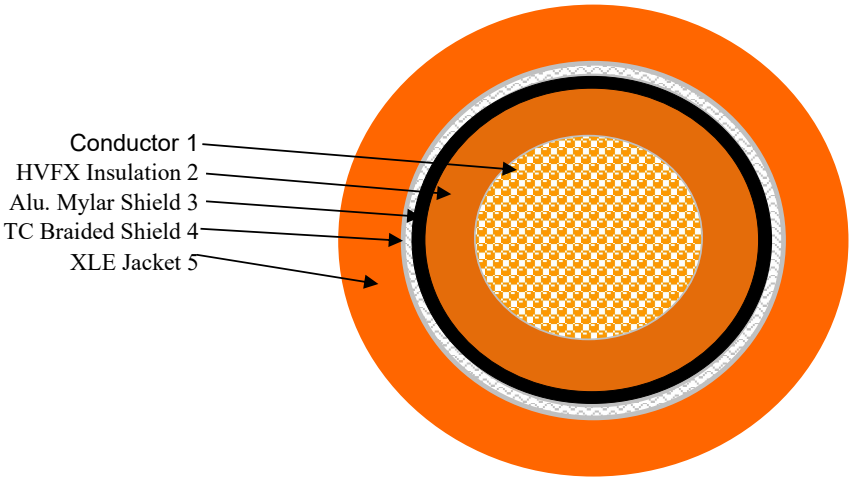
REV.	DESCRIPTION	DATE
0	Initial Release.	7/5/2018

General Properties 10.0mm^2 65/.46mm BC HVFX/XLE Shielded High Voltage Cable

Application Hybrid or Electric Powered Vehicles

General Composition of Cable See Below



Color Code

Inner	TBD
Outer Jacket	TBD

Physical Data

	Description				Dimensions (Nom.) inches	mm
1.	Conductor:	10.0mm^2 65/.46mm bare copper			0.153	3.89
2.	Insulation:	EXRAD HVFX	wall thickness: 45	mil	0.243	6.17
3.	Foil Shield:	Aluminum Mylar-Foil Side Out			0.252	6.40
4.	Shield:	36 AWG Tinned Copper Braid, 95% coverage-Nominal			0.275	6.99
5.	Jacket:	EXRAD XLE	wall thickness: 48	mil	0.370	9.40
				OD Tolerance	+/- 0.015"	+/- 0.38mm

Print Legend: CHAMPLAIN CABLE 10.0mm^2 BC HVFX/XLE SHIELDED HIGH VOLTAGE CABLE 17263 XXXXX
XXXXX = lot code

Electrical Data

Conductor Resistance:	1.82 ohms/km (0.667 ohms/kft) @ 20° C max.
Voltage Rating:	600 volts maximum per ISO 6722-1

General Data

Use:	High Voltage Power Cables for Electric or Hybrid Vehicles
Temperature Range:	-55° C to +150° C
Primary Insulation:	Meets Requirements of ISO 6722 Thick Wall, Class D
Jacket Insulation:	Meets Performance Requirements of ISO 6722-1 Thick Wall, Class D
Min. Static Bend Radius:	inches 1.1 / mm 28

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

TITLE

10.0mm^2 65/.46mm BC HVFX/XLE Shielded High Voltage Cable

UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES

DO NOT SCALE THIS DRAWING

DRN.	Steve Blum	DATE	7/5/2018
CKD.		DATE	
SIZE	A	PART NUMBER	TBD
DOCUMENT NUMBER	17263		