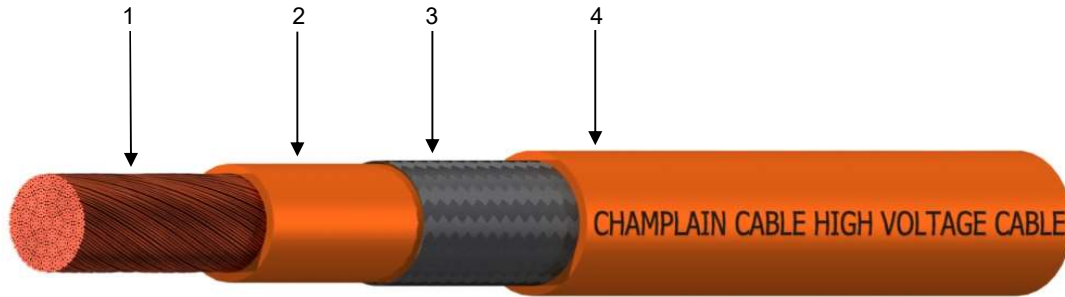


REV.	DESCRIPTION	DATE
0	Initial release.	10/30/2015
1	add part numbers to reserve	8/29/2018
2	Corrected Resistance per PEI & updated Ods	11/15/2021

General Properties High voltage 50mm² 798/.28mm BC HVFX/XLE Shielded Thick wall 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:	50mm ² 798/.28mm Bare Copper	0.385	9.78
2. Insulation:	EXRAD HVFX wall thickness: 57.5 mil	0.500	12.70
3. Shield	36 AWG Tinned Copper Braid, 95% coverage-Nominal	0.523	13.28
4. Jacket	EXRAD XLE wall thickness: 80 mil	0.673	17.09
	OD Tolerance	+/- 0.015"	+/- 0.38mm
Print Legend:	CHAMPLAIN CABLE EXTRAD HVFX/XLE 50mm ² SHIELDED CABLE XXXXX XXXXX = Traveler Number 12" Spacing		

Electrical Data

Resistance 0.368max 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: -55° C to +150° C
 Primary Insulation Meets Requirements of ISO 6722 Class D, Thick Wall
 Jacket Insulation Meets Performance Requirements of ISO 6722 Class D
 Min. Static Bend Radius: inches mm
 3.0 77

 175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200	TITLE	
	50mm ² 798/.28mm BC HVFX/XLE Shielded Thick Wall	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES DO NOT SCALE THIS DRAWING	DRN. Michael Cienkus	DATE 10/30/2015
	CKD. Nathan Bacon	DATE 10/30/2015
	SIZE A PART NUMBER 15-08173-XXX	DOCUMENT NUMBER 15220
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