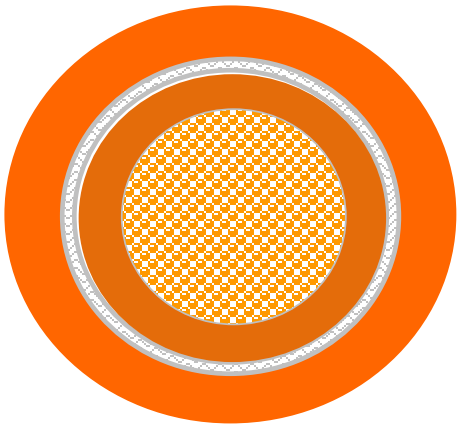
REV.	DESCRIPTION	DATE
0	Initial release.	10/8/2018

General Properties -55 to 150° C 2.5mm² EXRAD HVFX/XLE Thick wall Shielded High Voltage Cabl

Application Hybrid or Electric Powered Vehicles

General Composition of Cable See Below



Color Code

Primary	Orange
Jacket	Orange

Physical Data

	Description		Dimensions (Nom.) inches	mm
1.	Conductor:	2.5mm² 37/.28mm Bare Copper	0.074	1.88
2.	Insulation:	EXAR HVFX wall thickness: 30 mil	0.134	3.40
3.	Braid:	38 AWG Tinned Copper 90% minimum coverage	0.152	3.86
4.	Jacket:	EXRAD XLE 35 mil	0.222	5.64
		Run to nom OD	.222 +/- .005	

Print Legend: EXRAD HVFX/XLE 2.5mm² Shielded Thick Wall Cable 17356 XXXXX xxxxx-

Electrical Data

Conductor Resistance:	7.6ohms/m max. @ 20°C
Voltage Rating:	600 Volts AC

General Data

Use:	High Voltage Power Cables for Electric or Hybrid Vehicles
Temperature Range:	-55º C to +150º C per ISO 6722
Primary Insulation:	Meets Requirements of ISO 6722, Thick Wall, Class D 150°C
Jacket Insulation:	Meets Performance Requirements of ISO 6722 Class D 150°C

Min. Bend Radius (static)	in	mm
	1.3	83

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

TITLE

2.5mm² EXRAD HVFX/XLE Shielded Thick Wall High Voltage Cable

UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES	DRN. Steve Blum		DATE 10/8/2018
	CKD.		DATE
DO NOT SCALE THIS DRAWING	SIZE A	PART NUMBER	DOCUMENT NUMBER 17356

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