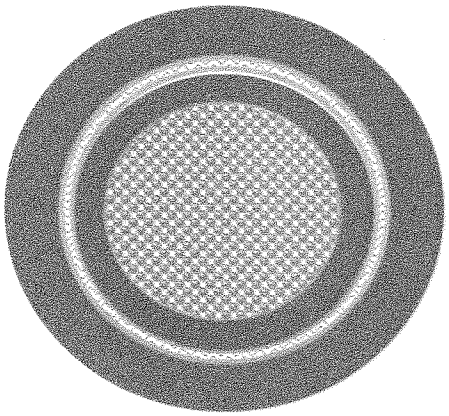
| REV. | DESCRIPTION | | DATE |
|---|---|---|---|
| 0 | Initial release. | | 12/7/2015 |
| 1 | Changed conductor to Bare Copper | MC | 1/23/2016 |
| 2 | Changed conductor stranding to 37/.36mm | MC | 6/27/2016 |

**General Properties** -40 to 150° C 4.0mm$^2$ EXRAD 150UT SH HVFX High Voltage Cable

**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: | 4.0mm$^2$ 37/.36mm Bare Copper | 0.103 | 2.62 |
| 2. | Insulation: | EXAR 150 UT wall thickness: 20 mil | 0.144 | 3.65 |
| 3. | Braid: | 38 AWG Tinned Copper 90% minimum coverage | 0.162 | 4.10 |
| 4. | Jacket: | EXRAD HVFX 30 mil | 0.222 | 5.63 |
| | | Outside Diameter Tolerance | .216 +/- .010 | |

**Electrical Data**

| | | |
|---|---|---|
| Conductor Resistance: | 4.56 ohms/m max. @ 20°C | |
| Voltage Rating: | 600 Volts AC | |

**General Data**

| | | |
|---|---|---|
| Use: | High Voltage Power Cables for Electric or Hybrid Vehicles | |
| Temperature Range: | -40° C to +150° C per ISO 6722 | |
| Primary Insulation: | Meets Requirements of ISO 6722, Thin Wall, Class D 150°C | |
| Jacket Insulation: | Meets Performance Requirements of ISO 6722 Class D 150°C | |
| Weight: | 69kg/km nom. | |
| Min. Bend Radius: (static) | in | mm |
| | 1.3 | 83 |

Approved C. Bl 6/27/16

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

TITLE

# 4.0mm$^2$ EXRAD 150UT SH HVFX High Voltage Cable

UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES

DRN. Richard Antic — DATE 12/7/2015

CKD. Nathan Bacon — DATE 12/7/2015

DO NOT SCALE THIS DRAWING

SIZE A | PART NUMBER TBD | DOCUMENT NUMBER 15264