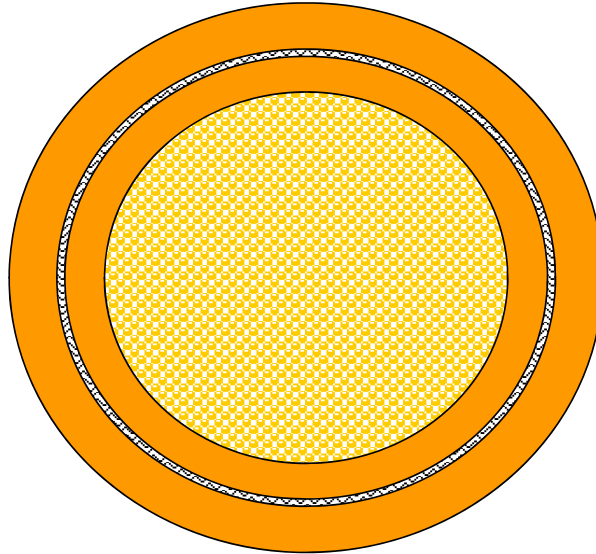


| REV. | DESCRIPTION | DATE |
|-------------------------------------|---|------------|
| 0 | Initial release. | 12/14/2017 |
| 1 | Changed od from 15.6 nom to 15.5 nom and braid coverage | 3/22/2018 |
| General Properties | High Voltage 50mm2 EXTRAD 150HVFX/XLE Cable | |
| Application | Hybrid or Electric Powered Vehicles | |
| General Composition of Cable | See Below | |




Color Code

Inner Orange
Outer Jacket Orange

| Physical Data | | | Dimensions (Nom.) | |
|---|---|-----|----------------------------|-------------------------|
| Description | | | inches | mm |
| 1. Conductor: | 50mm2 798/.28 bare copper | | 0.390 | 9.91 |
| 2. Insulation: | EXRAD 150HVFX wall thickness: 50 mil | <D> | 0.490 | 12.45 |
| 3. Shield | 34 AWG tinned copper braid 90% minimum coverage | | 0.518 | 13.16 |
| 4. Jacket | EXRAD 150 XLE wall thickness: 46 mil | | 0.610 | 15.50 |
| | | | Outside diameter tolerance | +/- 0.012 +/- 0.30mm |
| Print: Champlain Cable 16112 50mm2 EXTRAD HVFX/XLE 1000 volts XXXXX | | | | |

| | | |
|------------------------|-----------------------|---|
| Electrical Data | Conductor Resistance: | 0.368 ohms/km @20°C max. |
| | Voltage Rating | 1000 volts AC, Per SAE J1654 |
| General Data | Use: | High Voltage Power Cables for Electric or Hybrid Vehicles |
| | Primary Insulation | Meets Requirements of ISO 6722-1 Thick wall Class D 150°C |
| | Jacket Insulation | Meets Requirements of ISO 6722-1 Class D 150°C Section 5.13 |
| | UV Resistant: | Passes 1500 Hours Xenon Arc Lamp |
| | Weight | 434 pounds/kft |
| | Bend Radius: | inches mm |
| | | 4.3 109 |

| | | | | |
|--|-------|--------------|---|-------------|
|  <p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES</p> <p>DO NOT SCALE THIS DRAWING</p> | TITLE | | 50mm2 BC EXTRAD 150 HVFX / XLE Shielded Cable | |
| | DRN. | Rick Antic | DATE | 12/14/2017 |
| | CKD. | Sue Tatro | DATE | 2/8/2018 |
| | SIZE | PART NUMBER | DOCUMENT NUMBER | |
| | A | 15-08386-001 | 16112 | |
| <small>The information on this drawing is the proprietary property of Champlain Cable Corporation, and may not be used, reproduced or disclosed to others, in whole or in part, without written authorization.</small> | | | | PAGE 1 of 1 |