

| REV. | DESCRIPTION | DATE | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|-------------|---|-------|--------------------|-----------------------------------|----|--------------------|---|------|--|--|-------|--------------|----------------------------|-------------------------|--|-----|-------|--------|-------------|----------|
| 0 | Initial release. | 7/31/2015 | | | | | | | | | | | | | | | | | | | | | |
| General Properties | | High voltage 1/0 1007/30 BC HVFX Battery Cable | | | | | | | | | | | | | | | | | | | | | |
| Application | | Hybrid or Electric powered Vehicles | | | | | | | | | | | | | | | | | | | | | |
| General Composition of Cable | | See Below | | | | | | | | | | | | | | | | | | | | | |
| <p>The diagram shows a circular cross-section of the cable. Inside is a smaller circle labeled '1' pointing to the conductor. Outside is a larger circle labeled '2' pointing to the insulation. The insulation is orange and contains a yellow hexagonal pattern.</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <thead> <tr> <th colspan="2">Color Code</th> </tr> <tr> <th>Inner</th> <th>Orange</th> </tr> </thead> </table> | | | Color Code | | Inner | Orange | | | | | | | | | | | | | | | | | |
| Color Code | | | | | | | | | | | | | | | | | | | | | | | |
| Inner | Orange | | | | | | | | | | | | | | | | | | | | | | |
| Physical Data | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <thead> <tr> <th>Description</th> <th colspan="2">Dimensions (Nom.)</th> </tr> <tr> <th></th> <th>inches</th> <th>mm</th> </tr> </thead> <tbody> <tr> <td>1. Conductor:</td> <td>0.390</td> <td>9.91</td> </tr> <tr> <td>2. Insulation: EXRAD HVFX wall thickness: 50 mil</td> <td>0.490</td> <td>12.45</td> </tr> <tr> <td></td> <td>Outside diameter tolerance</td> <td>+/- 0.015 +/- 0.38mm</td> </tr> </tbody> </table> | | | Description | Dimensions (Nom.) | | | inches | mm | 1. Conductor: | 0.390 | 9.91 | 2. Insulation: EXRAD HVFX wall thickness: 50 mil | 0.490 | 12.45 | | Outside diameter tolerance | +/- 0.015 +/- 0.38mm | | | | | | |
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| Electrical Data | | | | | | | | | | | | | | | | | | | | | | | |
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| General Data | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tbody> <tr> <td>Use:</td> <td colspan="2">High Voltage Power Cables for Electric or Hybrid Vehicles</td> </tr> <tr> <td>Temperature Range:</td> <td colspan="2">-55° C to +150° C</td> </tr> <tr> <td>Primary Insulation</td> <td colspan="2">Meets Performance Requirements of ISO 6722 Thinwall</td> </tr> <tr> <td>Jacket Insulation</td> <td colspan="2">Meets Performance Requirements of ISO 6722</td> </tr> <tr> <td>Bend Radius:</td> <td>inches</td> <td>mm</td> </tr> <tr> <td></td> <td>1.7</td> <td>43.56</td> </tr> <tr> <td>Weight</td> <td>350 lbs/mft</td> <td>521kg/KM</td> </tr> </tbody> </table> | | | Use: | High Voltage Power Cables for Electric or Hybrid Vehicles | | Temperature Range: | -55° C to +150° C | | Primary Insulation | Meets Performance Requirements of ISO 6722 Thinwall | | Jacket Insulation | Meets Performance Requirements of ISO 6722 | | Bend Radius: | inches | mm | | 1.7 | 43.56 | Weight | 350 lbs/mft | 521kg/KM |
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| CHAMPLAIN CABLE 175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200 | TITLE High voltage 1/0 1007/30 BC HVFX Battery Cable | | | | | | | | | | | | | | | | | | | | | | |
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES | DRN. | DATE | | | | | | | | | | | | | | | | | | | | | |
| | Michael Cienkus | 7/31/2015 | | | | | | | | | | | | | | | | | | | | | |
| | CKD. | DATE | | | | | | | | | | | | | | | | | | | | | |
| DO NOT SCALE THIS DRAWING | Nathan Bacon | 7/31/2015 | | | | | | | | | | | | | | | | | | | | | |
| | SIZE | PART NUMBER | | | | | | | | | | | | | | | | | | | | | |
| | A | TBD | | | | | | | | | | | | | | | | | | | | | |
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