

| REV. | DESCRIPTION | DATE | | | | | | |
|-------------------------------------|---|---|---|-------|---|-------|--------|-------|
| 0 | Initial release. | 8/20/2014 | | | | | | |
| General Properties | 2 X 20 AWG 120 ohm shielded twisted pair locomotive cable | | | | | | | |
| Application | Unknown | | | | | | | |
| General Composition of Cable | See Below | | | | | | | |
| | | <p>Color Code</p> <table> <tr> <td>1</td> <td>White</td> </tr> <tr> <td>2</td> <td>Green</td> </tr> <tr> <td>Jacket</td> <td>Black</td> </tr> </table> | 1 | White | 2 | Green | Jacket | Black |
| 1 | White | | | | | | | |
| 2 | Green | | | | | | | |
| Jacket | Black | | | | | | | |
| Physical Data | | Dimensions (Nom.) | | | | | | |
| Description | | inches mm | | | | | | |
| Conductor | 20 19/32 Tinned Copper | 0.038 0.97 | | | | | | |
| Insulation | EXRAD FEP wall thickness: 22 mil | 0.082 2.08 | | | | | | |
| Filler | flame retardant filler as necessary for roundness | 0.055 1.40 | | | | | | |
| Cable | 2 X 20 AWG Conductors | 0.164 4.17 | | | | | | |
| Foil Shield | .0015" Aluminum Mylar shield | 0.170 4.32 | | | | | | |
| Braid | 36 AWG Tinned Copper 85% min. coverage | 0.192 4.88 | | | | | | |
| Jacket | EXRAD XLE200 54 | 0.300 7.62 | | | | | | |
| Electrical Data | Conductor Resistance | 20 AWG = 9.0 ohms/kft 29.5 mohms/m @ 20° C nom. | | | | | | |
| | Voltage | 300V DC | | | | | | |
| | Impedance | 120 ohms +/- 10% | | | | | | |
| General Data | Temperature Range: | -40° C to + 150° C for 33,750 hours | | | | | | |
| | Bend Radius: (static) | in mm | | | | | | |
| | | 1.5 38 | | | | | | |

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|---|---|--------------------------|
| <p>175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200</p> <p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES</p> <p>DO NOT SCALE THIS DRAWING</p> | TITLE EXRAD FEP/XLE200 20 AWG 2 Conductor Shielded 150°C Long Life Cable | |
| | DRN. Steve Blum | DATE 8/20/2014 |
| | CKD. | DATE |
| SIZE A | PART NUMBER | DOCUMENT NUMBER 14809 |
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