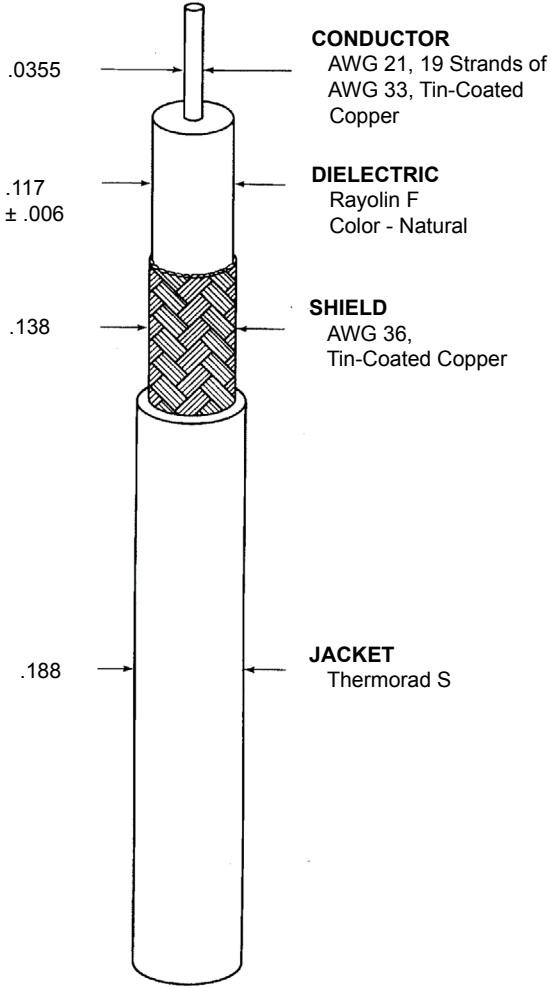


| SPECIFICATION CONTROL DRAWING | | | 5021D1331 |
|---|---|--|-----------|
| CHEMINAX | 50 OHM, AWG 21, 19 STRANDS OF AWG 33, COAXIAL CABLE | Date | 3-6-13 |
| | | Revision | B |
| THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200. | | | |
| CONSTRUCTION DETAILS | | ELECTRICAL CHARACTERISTICS | |
| <div>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</div>  <p>CONDUCTOR AWG 21, 19 Strands of AWG 33, Tin-Coated Copper</p> <p>DIELECTRIC Rayolin F Color - Natural</p> <p>SHIELD AWG 36, Tin-Coated Copper</p> <p>JACKET Thermorad S</p> | | CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A | |
| | | CAPACITANCE 30.8 pF/ft. (nominal) | |
| | | VELOCITY OF PROPAGATION 65% (nominal) | |
| | | ATTENUATION 14.0 dB/100 ft. (maximum) at 400 MHz 50.0 dB/100 ft. (maximum) at 3 GHz | |
| | | ADDITIONAL REQUIREMENTS | |
| | | <u>ELECTRICAL</u> | |
| | | CONDUCTOR RESISTANCE 11.7 ohms/1000 ft. (nominal) | |
| | | INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft. | |
| | | JACKET FLAWS | |
| | | SPARK TEST 1.0 kV (rms) | |
| IMPULSE TEST 6.0 kV (peak) | | | |
| VOLTAGE WITHSTAND (DIELECTRIC) 1000 volts (rms) (minimum) | | | |
| <u>ENVIRONMENTAL</u> | | | |
| FLAMMABILITY Method C | | | |
| HEAT SHOCK 225°C | | | |
| LOW TEMPERATURE-COLD BEND -55°C/5.00 inch mandrel | | | |
| VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute | | | |
| <u>PHYSICAL</u> | | | |
| INSULATION (DIELECTRIC) | | | |
| ELONGATION 200% (minimum) | | | |
| TENSILE STRENGTH 1800 lbf/in ² (minimum) | | | |
| JACKET | | | |
| ELONGATION 200% (minimum) | | | |
| TENSILE STRENGTH 2000 lbf/in ² (minimum) | | | |
| JACKET THICKNESS .025 inch (nominal) | | | |
| SHIELD COVERAGE 90% (minimum) | | | |
| WEIGHT 23.2 lbs/1000 ft. (nominal) | | | |
| Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 5021D1331-0) unless otherwise specified. | | | |
| Designate outer jacket color with a dash number in accordance with MIL-STD-681. Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order. | | | |
| Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer. | | | |
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