

THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS	ELECTRICAL CHARACTERISTICS
<p>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</p> <p><b>CONDUCTOR</b> AWG 26, 19 Strands of AWG 38, Silver-Coated High Strength Copper Alloy</p> <p><b>DIELECTRIC</b> Rayfoam L Color - Natural</p> <p><b>1ST SHIELD</b> AWG 38 Silver-Coated Copper</p> <p><b>1ST JACKET</b> Thermorad® S Color - Black</p> <p><b>2ND SHIELD</b> AWG 38 Silver-Coated Copper</p> <p><b>2ND JACKET</b> Thermorad® S</p> <p>Outer jacket color will be black (designated by a "-0" appended to the part number, e.g., 5026D5314-0) unless otherwise specified.</p> <p>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.</p>	<p><b>CHARACTERISTIC IMPEDANCE</b>      50 ± 2 ohms, Method A</p> <p><b>CAPACITANCE</b>      25.7 pF/ft. (nominal) 29.0 pF/ft. (maximum)</p> <p><b>VELOCITY OF PROPAGATION</b>      77% (nominal)</p> <p><b>ATTENUATION</b>      21.0 dB/100 ft. (maximum) at 400 MHz</p> <hr/> <p><b>ADDITIONAL REQUIREMENTS</b></p> <p><u><b>ELECTRICAL</b></u></p> <p><b>CONDUCTOR RESISTANCE</b>      42.0 ohms/1000ft. (nominal)</p> <p><b>INSULATION RESISTANCE</b>      10,000 megohms (minimum) for 1000 ft.</p> <p><b>JACKET FLAWS</b></p> <p>  <b>SPARK TEST</b>      1.0 kV (rms)</p> <p>  <b>IMPULSE TEST</b>      6.0 kV, (peak)</p> <p><b>VOLTAGE WITHSTAND (DIELECTRIC)</b></p> <p>  <b>CONDUCTOR TO SHIELD</b>      1000 volts (minimum)</p> <p>  <b>SHIELD TO SHIELD</b>      500 volts (minimum)</p> <p><u><b>ENVIRONMENTAL</b></u></p> <p><b>FLAMMABILITY</b>      Method C</p> <p><b>HEAT SHOCK</b>      225°C</p> <p><b>LOW TEMPERATURE-COLD BEND</b>      -55°C/3.50 inch mandrel</p> <p><b>VOLTAGE WITHSTAND (POST ENVIRONMENTAL)</b>      1000 volts (rms), 1 minute</p> <p><u><b>PHYSICAL</b></u></p> <p><b>INSULATION (DIELECTRIC)</b></p> <p>  <b>ELONGATION</b>      50% (minimum)</p> <p>  <b>TENSILE STRENGTH</b>      800 lbf/in<sup>2</sup> (minimum)</p> <p><b>JACKET (EACH)</b></p> <p>  <b>ELONGATION</b>      200% (minimum)</p> <p>  <b>TENSILE STRENGTH</b>      2000 lbf/in<sup>2</sup> (minimum)</p> <p>  <b>JACKET THICKNESS (EACH)</b>      .012 inch (nominal)</p> <p>  <b>SHIELD COVERAGE (EACH)</b>      90% (minimum)</p> <p><b>WEIGHT</b>      14.0 lbs/1000 ft. (nominal)</p>

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics 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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