

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>CONDUCTOR AWG 26, 19 Strands of AWG 38, Silver-Coated High Strength Copper Alloy</p> <p>DIELECTRIC Rayfoam L Color - Natural</p> <p>1ST SHIELD AWG 38 Silver-Coated Copper</p> <p>1ST JACKET Thermorad® S Color - Black</p> <p>2ND SHIELD AWG 38 Silver-Coated Copper</p> <p>2ND JACKET 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>CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A</p> <p>CAPACITANCE 25.7 pF/ft. (nominal) 29.0 pF/ft. (maximum)</p> <p>VELOCITY OF PROPAGATION 77% (nominal)</p> <p>ATTENUATION 21.0 dB/100 ft. (maximum) at 400 MHz</p> <hr/> <p align="center">ADDITIONAL REQUIREMENTS</p> <hr/> <p>ELECTRICAL</p> <p>CONDUCTOR RESISTANCE 42.0 ohms/1000ft. (nominal)</p> <p>INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft.</p> <p>JACKET FLAWS</p> <p> SPARK TEST 1.0 kV (rms)</p> <p> IMPULSE TEST 6.0 kV, (peak)</p> <p>VOLTAGE WITHSTAND (DIELECTRIC)</p> <p> CONDUCTOR TO SHIELD 1000 volts (minimum)</p> <p> SHIELD TO SHIELD 500 volts (minimum)</p> <p>ENVIRONMENTAL</p> <p>FLAMMABILITY Method C</p> <p>HEAT SHOCK 225°C</p> <p>LOW TEMPERATURE-COLD BEND -55°C/3.50 inch mandrel</p> <p>VOLTAGE WITHSTAND (POST ENVIRONMENTAL) 1000 volts (rms), 1 minute</p> <p>PHYSICAL</p> <p>INSULATION (DIELECTRIC)</p> <p> ELONGATION 50% (minimum)</p> <p> TENSILE STRENGTH 800 lbf/in² (minimum)</p> <p>JACKET (EACH)</p> <p> ELONGATION 200% (minimum)</p> <p> TENSILE STRENGTH 2000 lbf/in² (minimum)</p> <p> JACKET THICKNESS (EACH) .012 inch (nominal)</p> <p> SHIELD COVERAGE (EACH) 90% (minimum)</p> <p>WEIGHT 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.