

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 28, 7 Strands of AWG 36, Silver-Coated High Strength Copper Alloy</p> <p>DIELECTRIC Rayfoam® L Color - Natural</p> <p>1ST SHIELD AWG 38, Tin-Coated Copper</p> <p>1ST JACKET Thermorad® S Color - White</p> <p>2ND SHIELD AWG 38, Tin-Coated Copper</p> <p>2ND JACKET Radiation-Crosslinked Modified PVF₂</p> <p>.015 .097 .114 .138 .155 .173 (nominal) .189 (maximum)</p> <p>Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 9528D5114-9) unless otherwise specified</p> <p>Designate outer jacket color with a dash number in accordance with MIL-STD-681.</p>	<p>CHARACTERISTIC IMPEDANCE 95 ± 5 ohms, Method B</p> <p>CAPACITANCE 13.5 pF/ft. (nominal) at 1 kHz</p> <p>VELOCITY OF PROPAGATION 79% (nominal)</p> <hr/> <p>ADDITIONAL REQUIREMENTS</p> <p>ELECTRICAL</p> <p>CONDUCTOR RESISTANCE 74.0 ohms/1000 ft. (nominal)</p> <p>INSULATION RESISTANCE (CONDUCTOR TO SHIELD) 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 (rms) (minimum)</p> <p>SHIELD TO SHIELD 500 volts (rms) (minimum)</p> <p>ENVIRONMENTAL</p> <p>FLAMMABILITY Method B</p> <p>HEAT SHOCK 225°C</p> <p>LOW TEMPERATURE-COLD BEND -55°C/5.00 inch mandrel</p> <p>VOLTAGE WITHSTAND (POST ENVIRONMENTAL) 1000 volts (rms), for 1 minute</p> <p>PHYSICAL</p> <p>INSULATION (DIELECTRIC)</p> <p>ELONGATION 50% (minimum)</p> <p>TENSILE STRENGTH 800 lbf/in² (minimum)</p> <p>1ST JACKET</p> <p>ELONGATION 250% (minimum)</p> <p>TENSILE STRENGTH 2000 lbf/in² (minimum)</p> <p>2ND JACKET</p> <p>ELONGATION 200% (minimum)</p> <p>TENSILE STRENGTH 4000 lbf/in² (minimum)</p> <p>1ST JACKET THICKNESS .012 inch (nominal)</p> <p>2ND JACKET THICKNESS .009 inch (nominal)</p> <p>.007 inch (minimum)</p> <p>SHIELD COVERAGE (EACH) 90 (minimum)</p> <p>WEIGHT 22.3 lbs/1000 ft. (nominal)</p>