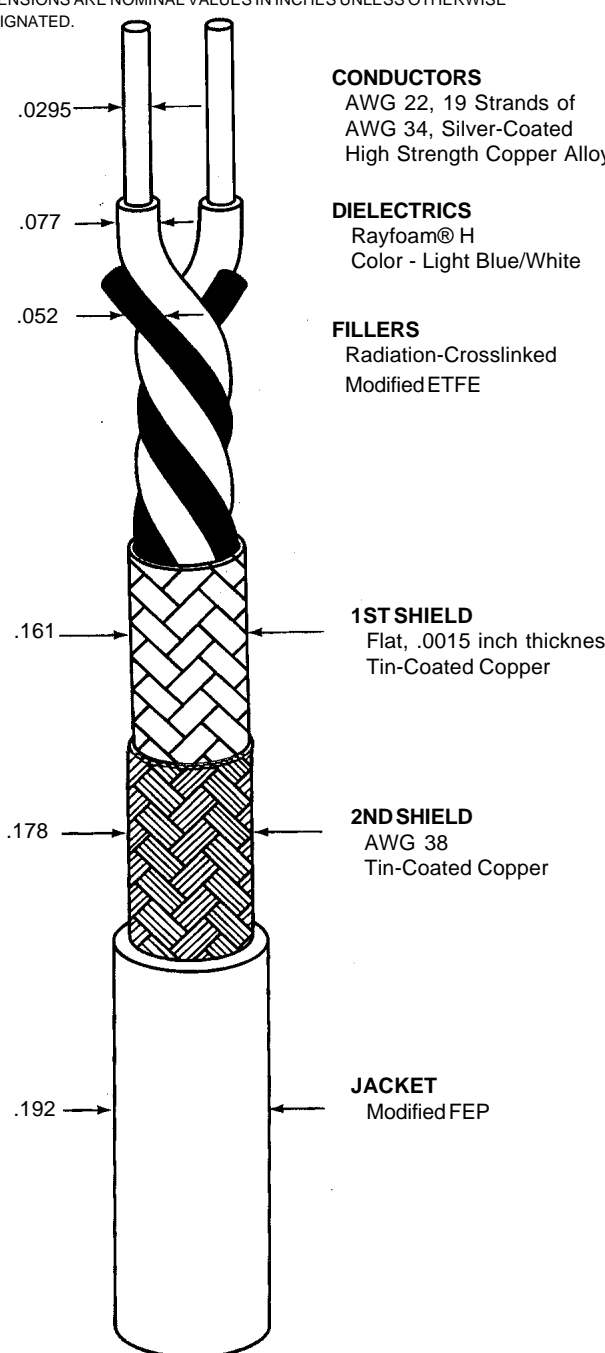


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS	ELECTRICAL CHARACTERISTICS
<p>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</p>  <p>CONDUCTORS AWG 22, 19 Strands of AWG 34, Silver-Coated High Strength Copper Alloy</p> <p>DIELECTRICS Rayfoam® H Color - Light Blue/White</p> <p>FILLERS Radiation-Crosslinked Modified ETFE</p> <p>1ST SHIELD Flat, .0015 inch thickness Tin-Coated Copper</p> <p>2ND SHIELD AWG 38 Tin-Coated Copper</p> <p>JACKET Modified FEP</p> <p>Dimensions: .0295, .077, .052, .161, .178, .192</p> <p>Outer jacket color will be white (designated by a "-9" appended to the part number, e.g., 2022H4424-9) 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 120 ± 10 ohms, Method D at 1 MHz</p> <p>CAPACITANCE - MUTUAL 12.7 pF/ft. (nominal) 18.2 pF/ft. (maximum)</p> <p>VELOCITY OF PROPAGATION 77% (nominal)</p> <hr/> <p>ADDITIONAL REQUIREMENTS</p> <p><u>ELECTRICAL</u></p> <p>CONDUCTOR RESISTANCE 17.3 ohms/1000 ft. (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) 1500 volts (rms) (minimum)</p> <p><u>ENVIRONMENTAL</u></p> <p>FLAMMABILITY Method B</p> <p>HEAT SHOCK 225°C</p> <p>LOW TEMPERATURE- COLD BEND -55°C/5.50 inch mandrel</p> <p>VOLTAGE WITHSTAND (POST ENVIRONMENTAL) 1000 volts (rms), 1 minute</p> <p><u>PHYSICAL</u></p> <p>INSULATION (DIELECTRIC) (Prior to Cabling)</p> <p>ELONGATION 50% (minimum)</p> <p>TENSILE STRENGTH 600 lbf/in² (minimum)</p> <p>JACKET</p> <p>ELONGATION 200% (minimum)</p> <p>TENSILE STRENGTH 2000 lbf/in² (minimum)</p> <p>1st SHIELD COVERAGE 92% (minimum)</p> <p>2nd SHIELD COVERAGE 90% (minimum)</p> <p>JACKET THICKNESS .007 inch (nominal)</p> <hr/> <p>WEIGHT 28.3 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.