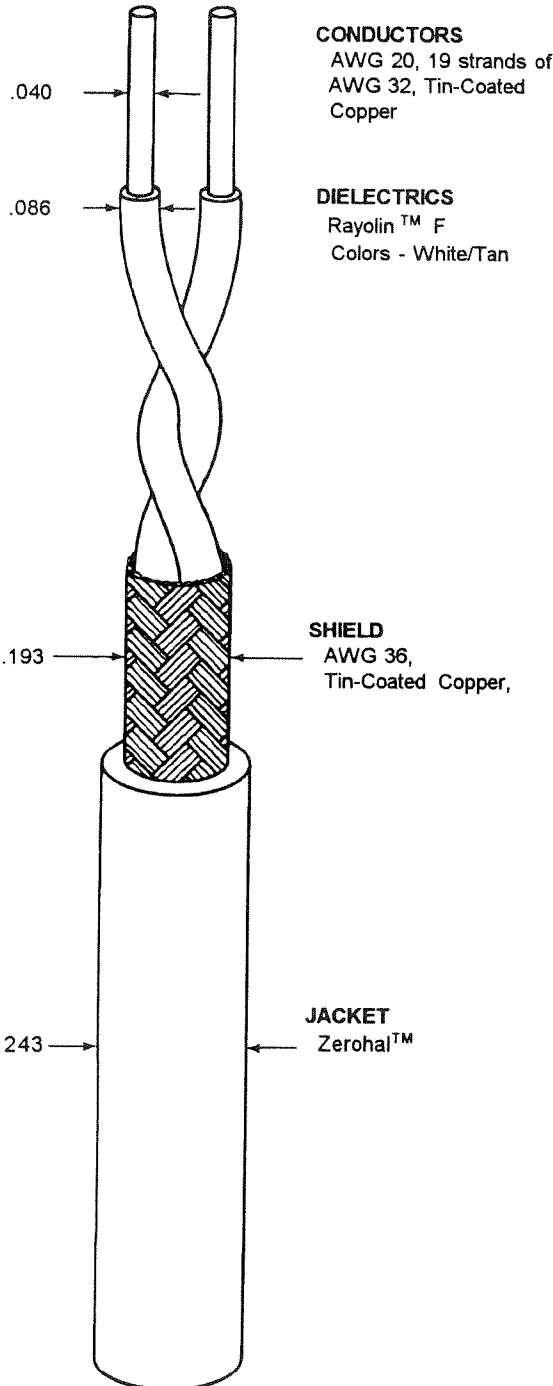


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

**ELECTRICAL CHARACTERISTICS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



CHARACTERISTIC IMPEDANCE	78 ± 7 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	18.8 pF/ft. (nominal)
VELOCITY OF PROPAGATION	67% (nominal)

**ADDITIONAL REQUIREMENTS**

**ELECTRICAL**

CONDUCTOR RESISTANCE	10.4 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
<b>JACKET FLAWS</b>	
SPARK TEST	1.0 kV (rms), 60 Hz
IMPULSE TEST	6.0 kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

**ENVIRONMENTAL**

FLAMMABILITY	Method B, 60 seconds (maximum) Afterburn; 3 inch (maximum) burn length
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-30°C/7.00 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

**PHYSICAL**

INSULATION (DIELECTRIC) (Prior to Cabling)	
ELONGATION	200% (minimum)
TENSILE STRENGTH	1800 lbf/in <sup>2</sup> (minimum)
JACKET	
ELONGATION	150% (minimum)
TENSILE STRENGTH	1200 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.025 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT 35.9 lbs/1000 ft. (nominal)

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g., 7820D0831-0) unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681.

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.