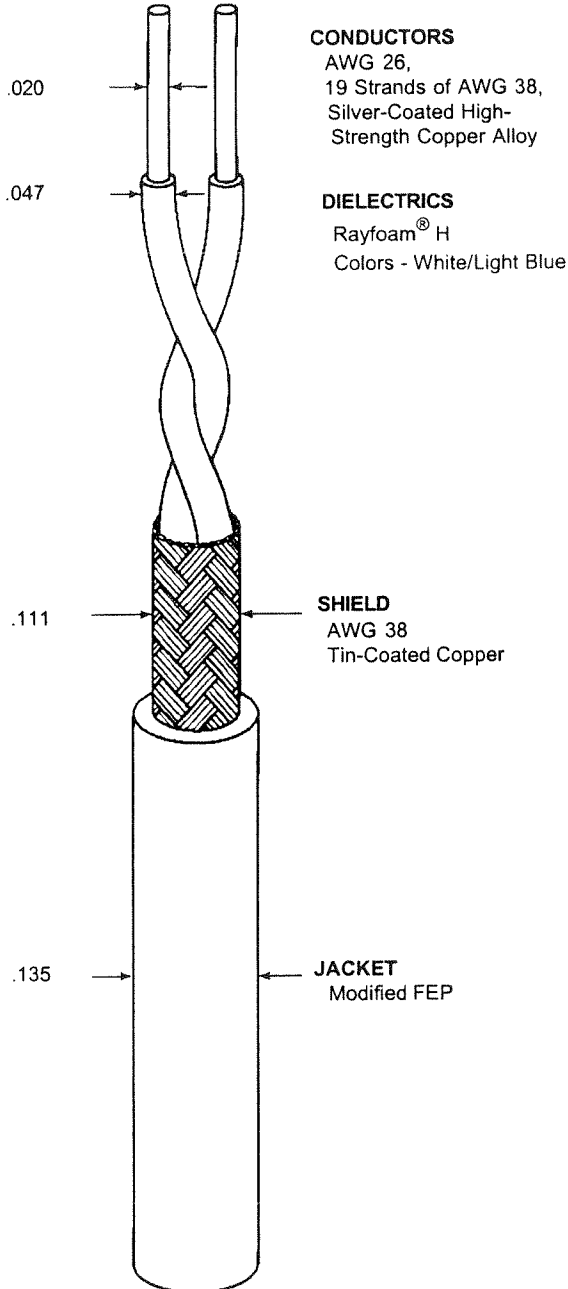


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

**ELECTRICAL CHARACTERISTICS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



**CONDUCTORS**  
AWG 26,  
19 Strands of AWG 38,  
Silver-Coated High-  
Strength Copper Alloy

**DIELECTRICS**  
Rayfoam® H  
Colors - White/Light Blue

**SHIELD**  
AWG 38  
Tin-Coated Copper

**JACKET**  
Modified FEP

CHARACTERISTIC IMPEDANCE	100 ± 7 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	14.5 pF/ft. (nominal)
VELOCITY OF PROPAGATION	73% (nominal)

**ADDITIONAL REQUIREMENTS**

**ELECTRICAL**

CONDUCTOR RESISTANCE	42.0 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms)
IMPULSE TEST	6.0 kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

**ENVIRONMENTAL**

FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/3.75 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

**PHYSICAL**

INSULATION (DIELECTRIC) (Prior to Cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 lbf/in <sup>2</sup> (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	2000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.012 inch (nominal)
SHIELD COVERAGE	90% (minimum)
BRAID ANGLE	25° (maximum)

WEIGHT	13.7 lbs/1000 ft. (nominal)
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Outer jacket will be translucent white (designated by a "-9X" appended to the part number, e.g., 0026A0024-9X), unless otherwise specified.

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