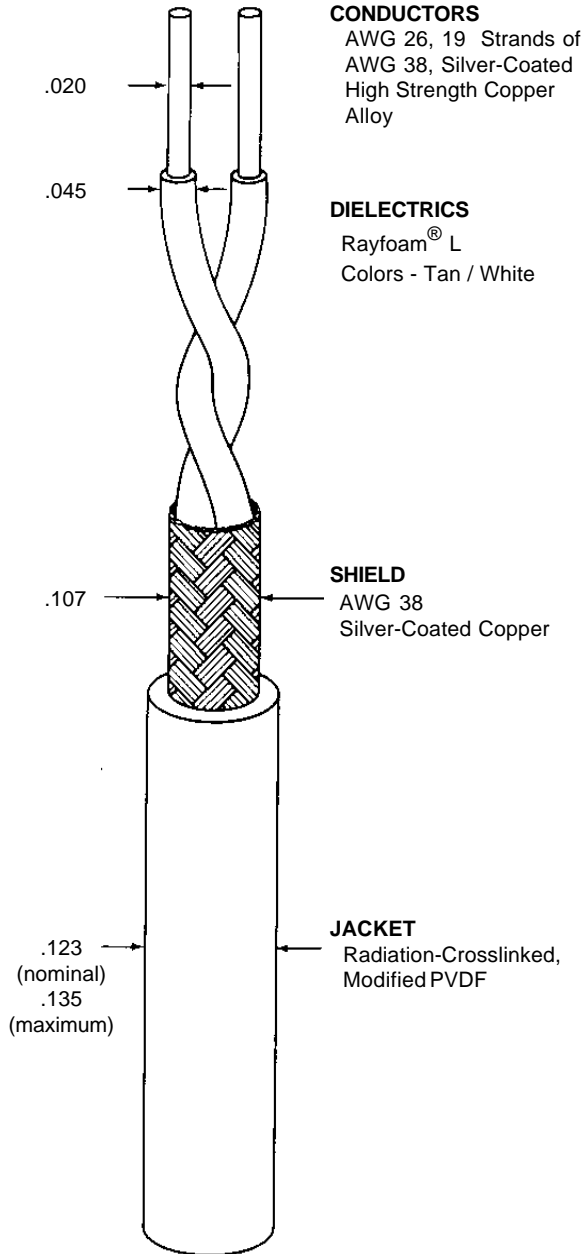


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**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® L  
Colors - Tan / White

**SHIELD**  
AWG 38  
Silver-Coated Copper

**JACKET**  
Radiation-Crosslinked,  
Modified PVDF

CHARACTERISTIC IMPEDANCE	100 ± 5 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	14.5 pF/ft. (nominal) 17.0 pF/ft. (maximum)
VELOCITY OF PROPAGATION	77% (nominal)
VOLTAGE RATING	750 volts (rms) (maximum)
ATTENUATION	2.8 dB/100 ft. (maximum) at 5 MHz

**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)
CAPACITANCE UNBALANCE	5% (maximum)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

**ENVIRONMENTAL**

FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/ 3.50 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

**OUTER SPACE REQUIREMENTS**

RADIATION RESISTANCE	500 megarads/3.75 inch mandrel
VACUUM STABILITY	
TOTAL MASS LOSS (TML)	1.0% (minimum)
VOLATILE CONDENSABLE MATERIAL (VCM)	0.1% (maximum)

**PHYSICAL**

INSULATION (DIELECTRIC) (Prior to Cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	1000 lbf/in <sup>2</sup> (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	4000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.006 inch (minimum) .008 inch (nominal)
SHIELD COVERAGE	90% (minimum)
WEIGHT	11.4 lbs/1000 ft. (maximum)

Outer jacket will be white (designated by a "-9" appended to the part number, e.g., 0026D0214-9) unless otherwise specified.

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.

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.