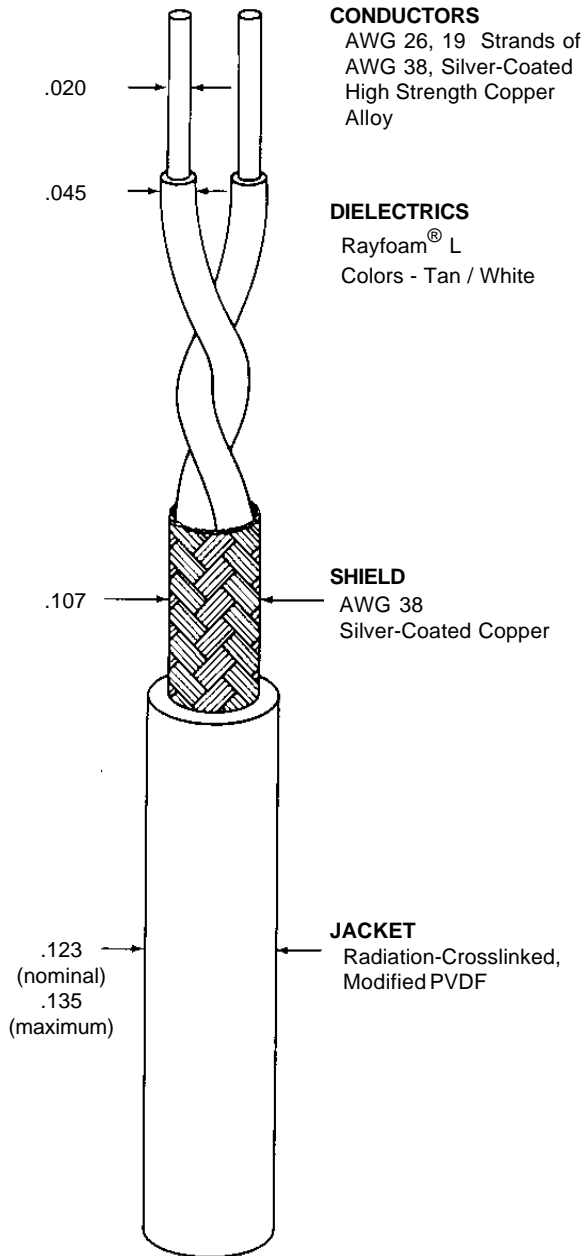


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

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 ² (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	4000 lbf/in ² (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.

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