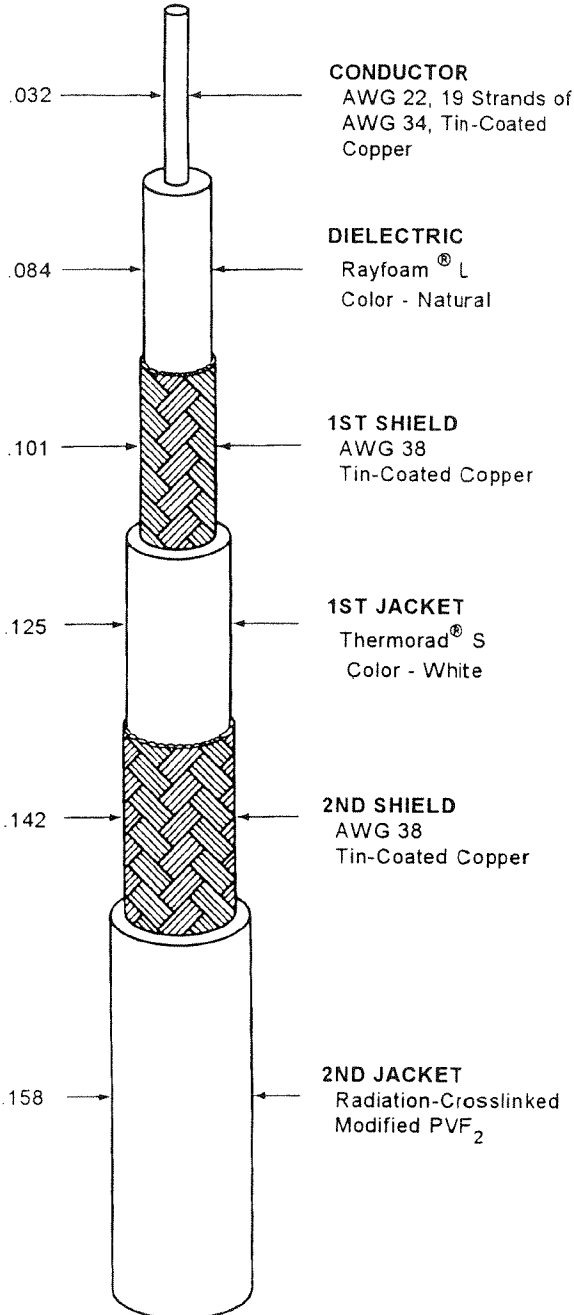


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED



Outer jacket color will be white (designated by a "-9" appended to the part number, e.g., 5022E5111-9) unless otherwise specified.

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

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	50 ± 2 ohms, Method A
CAPACITANCE	26.0 pF/ft. (nominal)
VELOCITY OF PROPAGATION	77% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	14.8 ohms/1000 ft. (nominal)
INSULATION RESISTANCE (CONDUCTOR TO SHIELD)	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms), 60 Hz
IMPULSE TEST	6.0 kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	
CONDUCTOR TO SHIELD	1000 volts (rms) (minimum)
SHIELD TO SHIELD	500 volts (rms) (minimum)

ENVIRONMENTAL

AGING STABILITY	135°C/-55°C/4.25 inch mandrel
FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/4.25 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	800 lbf/in ² (minimum)
1ST JACKET	
ELONGATION	250% (minimum)
TENSILE STRENGTH	2000 lbf/in ² (minimum)
2ND JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	4000 lbf/in ² (minimum)
1ST JACKET THICKNESS	.012 inch (nominal)
2ND JACKET THICKNESS	.008 inch (nominal)
SHIELD COVERAGE (EACH)	90% (minimum)

JACKET IDENTIFICATION: Outer jacket shall be marked in a contrasting color at 6 inch (maximum) intervals as follows:
" 5022E5111 06090 "

WEIGHT 21.3 lbs/1000 ft. (nominal)