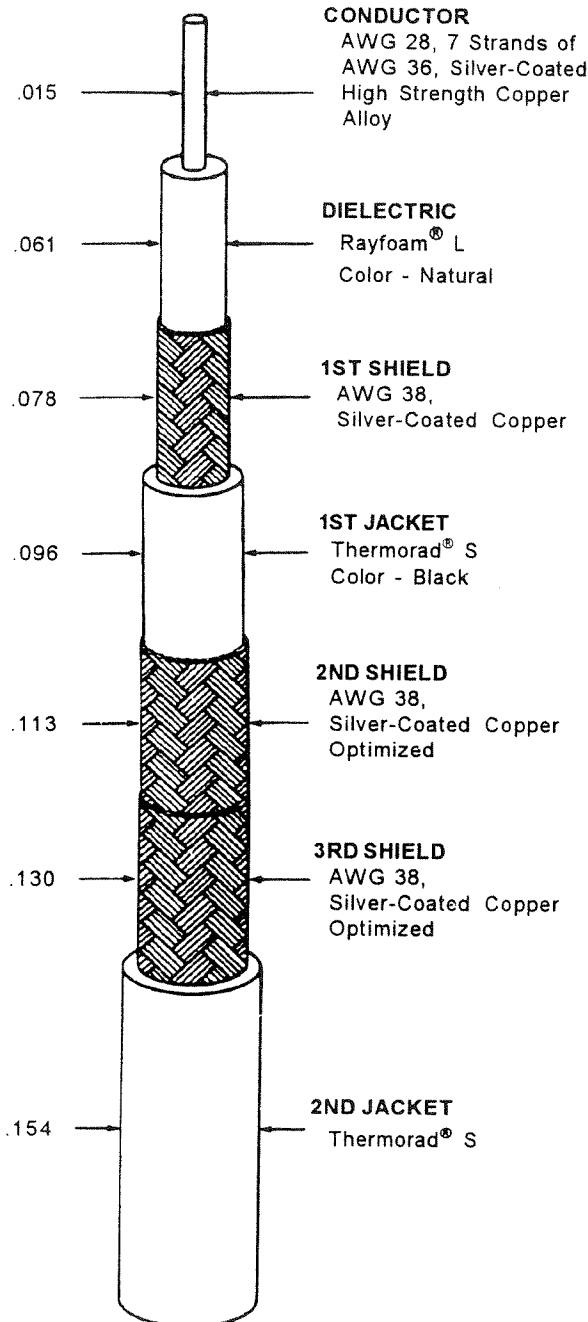


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



CHARACTERISTIC IMPEDANCE	75 ± 5 ohms, Method B
CAPACITANCE	17.1 pF/ft. (nominal) at 1 kHz 19.5 pF/ft. (maximum) at 1 kHz
VELOCITY OF PROPAGATION	79% (nominal)
SURFACE TRANSFER IMPEDANCE	TBD**

(** All TBDs are to be measured and reported, no pass or fail)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	74.0 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	1500 volts (rms) (minimum)
1st SHIELD TO 2nd SHIELD	500 volts (rms) (minimum)

ENVIRONMENTAL

AGING STABILITY	135°C/-55°C/4.25 inch mandrel
FLAMMABILITY	Method C
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/in² (minimum)
JACKET (EACH)	
ELONGATION	250% (minimum)
TENSILE STRENGTH	2000 lbf/in² (minimum)
1ST JACKET THICKNESS	.009 inch (nominal)
2ND JACKET THICKNESS	.012 inch (nominal)
SHIELD COVERAGE (1st)	90% (minimum)

WEIGHT 24.1 lbs/1000 ft. (nominal)

Outer jacket color will be black (designated by a "-09" appended to the part number, e.g. 7528G6314-0) unless otherwise specified.

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