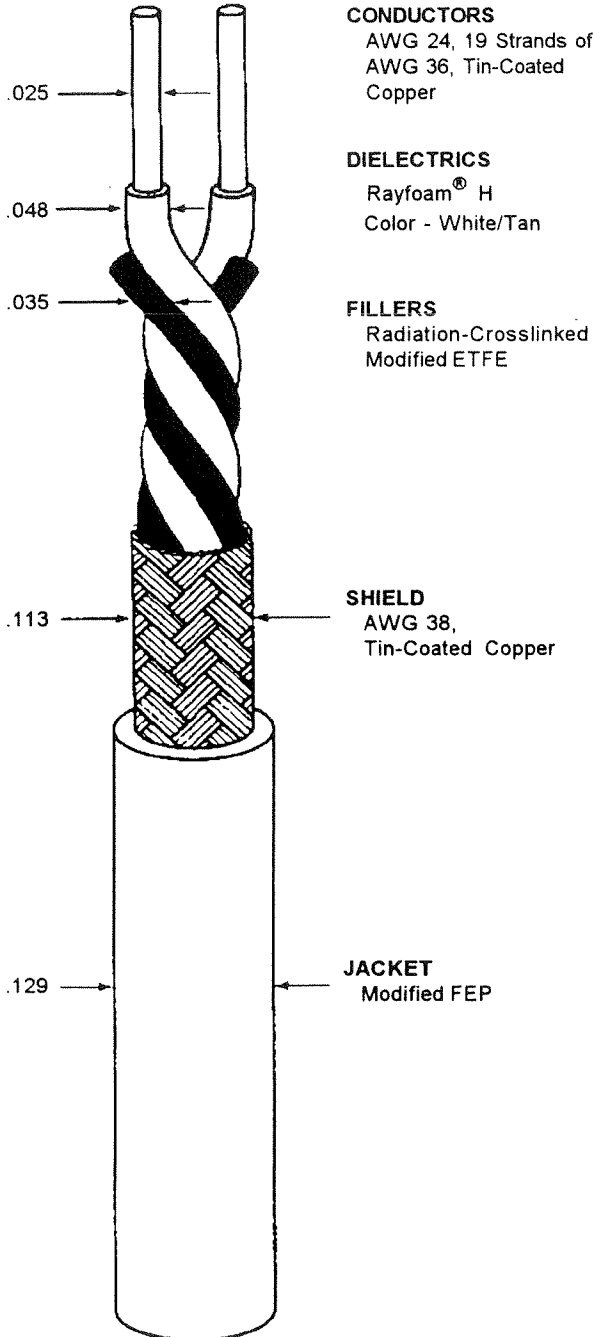


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



CONDUCTORS
AWG 24, 19 Strands of
AWG 36, Tin-Coated
Copper

DIELECTRICS
Rayfoam® H
Color - White/Tan

FILLERS
Radiation-Crosslinked
Modified ETFE

SHIELD
AWG 38,
Tin-Coated Copper

JACKET
Modified FEP

CHARACTERISTIC IMPEDANCE	94 \pm $\frac{7}{4}$ ohms at 1 MHz
MUTUAL CAPACITANCE	14.4 pF/ft. (nominal)
VELOCITY OF PROPAGATION	79% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	24.8 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	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)	1000 volts (rms), (minimum)

ENVIRONMENTAL

AGING STABILITY	135°C/-55°C/3.50 inch mandrel
FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD-BEND	-55°C/3.50 inch mandrel

PHYSICAL

INSULATION (DIELECTRIC) (Prior to cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	1000 lbf/in ² (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	2000 lbf/in ² (minimum)
JACKET THICKNESS	.008 inch (nominal)
SHIELD COVERAGE	90% (minimum)

MARKER TAPE: Place marker tape under jacket and mark in contrasting color at 12 inch (nominal) intervals as follows:
"9424A0421-9X 06090"

WEIGHT	14.5 lbs/1000 ft. (nominal)
--------	-----------------------------

Outer jacket color will be transparent white (designated by a "-9X" appended to the part number, e.g. 9424A0421-9X) unless otherwise specified.

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