

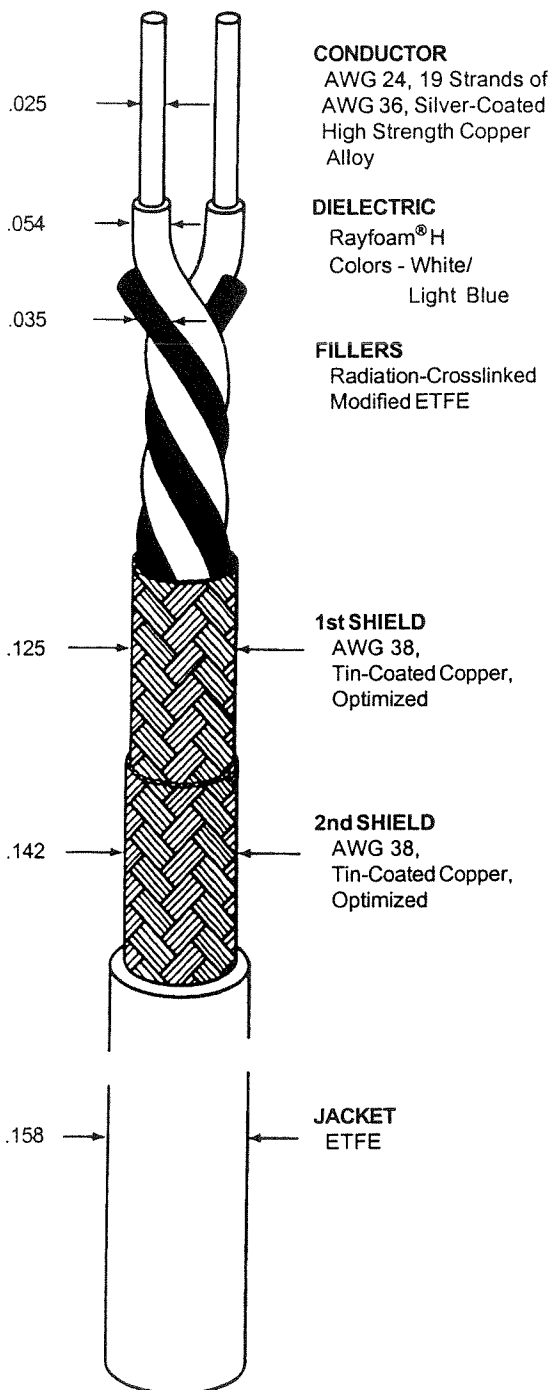
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE	100 ± 7 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	13.5 pF/ft. (nominal)
VELOCITY OF PROPAGATION	76% (nominal)
CAPACITANCE UNBALANCE	3% (nominal)
SURFACE TRANSFER IMPEDANCE	100 milliohms/meter (maximum) (Per MIL-C-85485 at 30 MHz)



CONDUCTOR
AWG 24, 19 Strands of
AWG 36, Silver-Coated
High Strength Copper
Alloy

DIELECTRIC
Rayfoam® H
Colors - White/
Light Blue

FILLERS
Radiation-Crosslinked
Modified ETFE

1st SHIELD
AWG 38,
Tin-Coated Copper,
Optimized

2nd SHIELD
AWG 38,
Tin-Coated Copper,
Optimized

JACKET
ETFE

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	26.5 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/4.50 inch mandrel
FLAMMABILITY	Method B
LOW TEMPERATURE- COLD BEND	-55°C/4.50 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms) for 1 minute

PHYSICAL

INSULATION (DIELECTRIC) (Prior to Cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 lbf/in ² (minimum)
JACKET	
ELONGATION	150% (minimum)
TENSILE STRENGTH	5000 lbf/in ² (minimum)
JACKET THICKNESS	.008 inch (nominal)

WEIGHT	24.2 lbs/1000 ft. (nominal)
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Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 0024H0524-9) unless otherwise specified.

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

Mouser Electronics

Authorized Distributor

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[0024H0524-9](#)