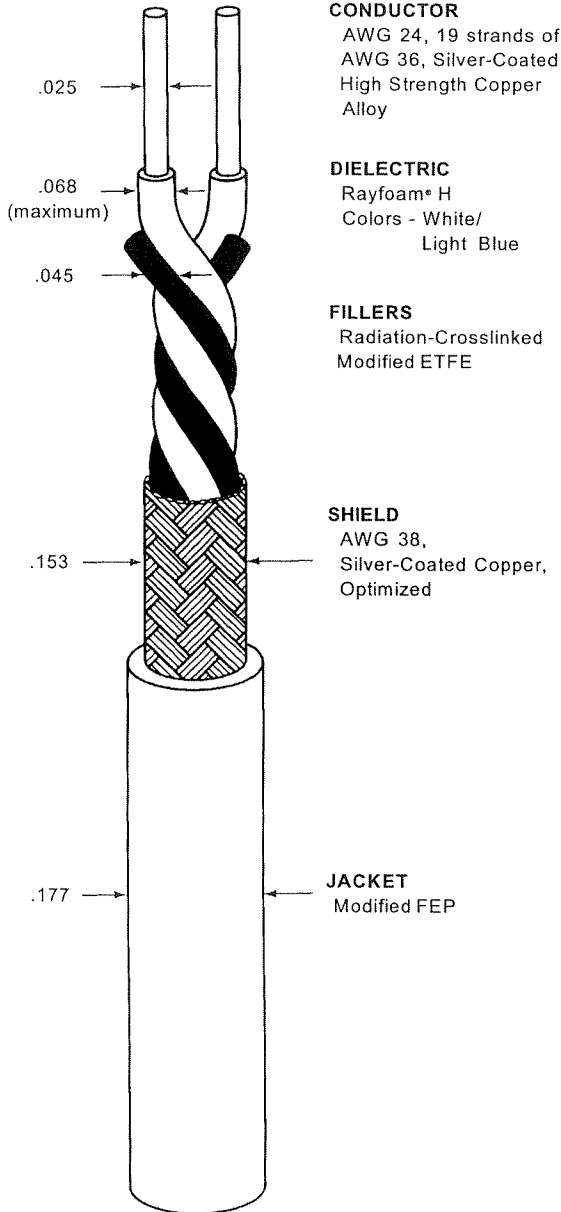


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



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

SHIELD
AWG 38,
Silver-Coated Copper,
Optimized

JACKET
Modified FEP

CHARACTERISTIC IMPEDANCE	125 ± 15 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	11.5 pF/ft. (nominal)
VELOCITY OF PROPAGATION	75% (nominal)
SURFACE TRANSFER IMPEDANCE	100 milliohms/meter at 30 MHz

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)
IMPULSE TEST	6.0 kV, (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms), (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/5.00 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	200% (minimum)
TENSILE STRENGTH	2000 lbf/in ² (minimum)
JACKET THICKNESS	.012 inch (nominal)

WEIGHT	22.8 lbs/1000 ft. (nominal)
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Outer jacket color will be transparent white (designated by a "-9X" appended to the part number, e.g. 2524A0424-9X) unless otherwise specified.

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[2524A0424-9XCS2471](#)