

125 OHM, AWG 24, 19 STRANDS OF AWG 36, RADIO FREQUENCY, TWO CONDUCTOR CABLE

Date: Revision: 03-25-02 С

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 125 ± 15 ohms, Method C at 1 MHz

CAPACITANCE-MUTUAL

11.5 pF/ft. (nominal)

VELOCITY OF PROPAGATION

75% (nominal)

SURFACETRANSFERIMPEDANCE

100 milliohms/meter at 30 MHz

CONDUCTOR AWG 24, 19 strands of AWG 36, Silver-Coated High Strength Copper .025 Alloy DIELECTRIC .068 Rayfoam® H (maximum) Colors - White/ Light Blue .045 **FILLERS** Radiation-Crosslinked

Modified ETFE

SHIELD AWG 38,

Optimized

JACKET

Modified FEP

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTORRESISTANCE **INSULATION RESISTANCE**

26.5 ohms/1000 ft. (nominal) 10,000 megohms (minimum)

for 1000 ft.

JACKET FLAWS **SPARKTEST IMPULSETEST**

1.0 kV (rms) 6.0 kV, (peak)

VOLTAGE WITHSTAND

1000 volts (rms), (minimum)

(DIELECTRIC)

Silver-Coated Copper,

ENVIRONMENTAL

FLAMMABILITY **HEAT SHOCK**

Method B 225°C

LOW TEMPERATURE-

-55°C/5.00 inch mandrel

COLDBEND

VOLTAGE WITHSTAND

(POSTENVIRONMENTAL)

1000 volts (rms) for 1 minute



PHYSICAL

INSULATION (DIELECTRIC)

(Prior to cabling)

ELONGATION 50% (minimum) **TENSILE STRENGTH**

JACKET

ELONGATION TENSILE STRENGTH JACKETTHICKNESS

600 lbf/in2 (minimum)

200% (minimum) 2000 lbf/in2 (minimum) .012 inch (nominal)

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.

WEIGHT 22.8 lbs/1000 ft. (nominal)



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Mouser Electronics

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TE Connectivity: 2524A0424-9XCS2471