

SPECIFICATION CONTROL DRAWING

2524A0424

CHEMINAX

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

Date: 03-27-24
Revision: D

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

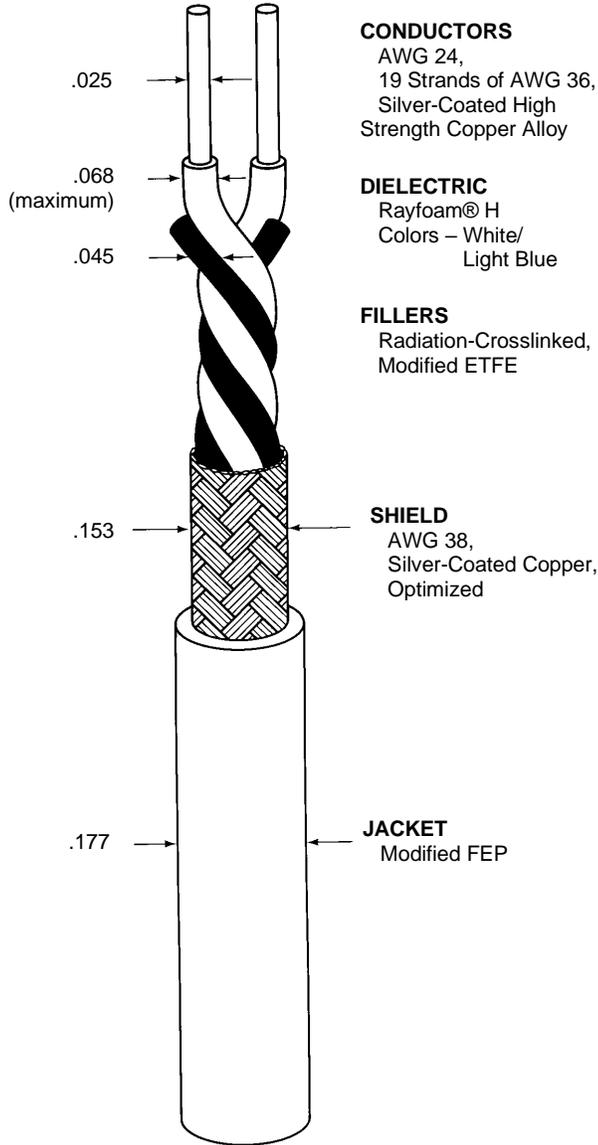
CONSTRUCTION DETAILS

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)
SURFACE TRANSFER IMPEDANCE	100 milliohms/meter at 30 MHz

ADDITIONAL REQUIREMENTS



CONDUCTORS
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

ELECTRICAL

CONDUCTOR RESISTANCE	26.5 ohms/1000 ft. (nominal) (prior to cabling)
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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ENGINEERING REFERENCE

TEMPERATURE RATING	-65°C to +200°C
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Designate outer jacket color with a dash number in accordance with MIL-STD-681. Unless otherwise specified, outer jacket color will be transparent white designated by a "-9x" appended to the part number, (e.g. 2524A0424-9x).

Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. TE Connectivity also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

