

SPECIFICATION CONTROL DRAWING

0024A0524

CHEMINAX

100 OHM, AWG 24, 19 STRANDS OF AWG 36, TWINAXIAL CABLE

Date 2-14-12

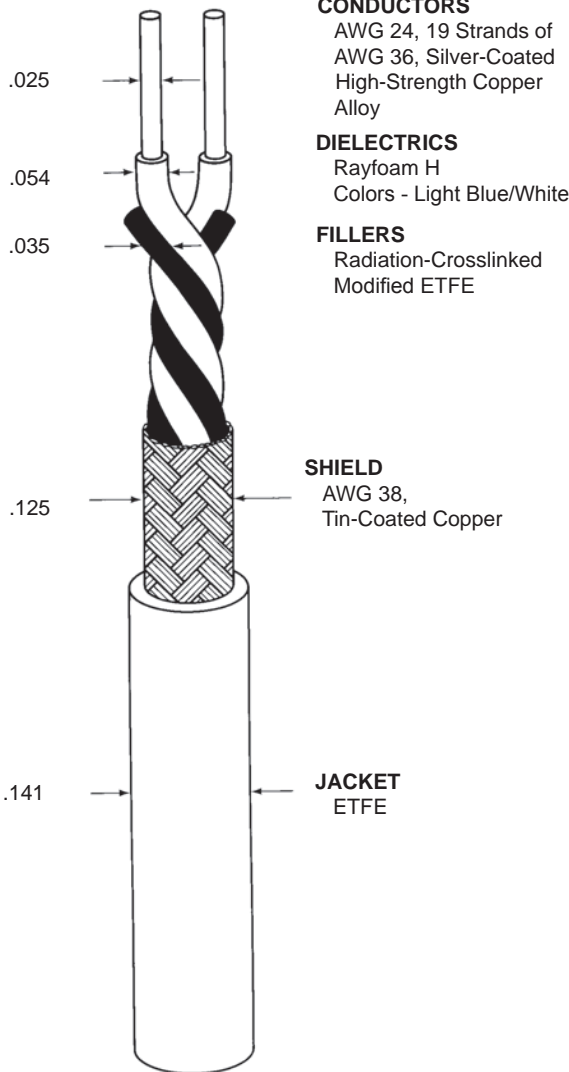
Revision A

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, Silver-Coated
High-Strength Copper
Alloy

DIELECTRICS
Rayfoam H
Colors - Light Blue/White

FILLERS
Radiation-Crosslinked
Modified ETFE

SHIELD
AWG 38,
Tin-Coated Copper

JACKET
ETFE

CHARACTERISTIC IMPEDANCE	100 ± 7 ohms, Method C at 1 MHz
MUTUAL CAPACITANCE	13.5 pF/ft. (nominal)
VELOCITY OF PROPAGATION	76% (nominal)

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
LOW TEMPERATURE-COLD BEND	-55°C/4.00 inch mandrel
VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 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)
SHIELD COVERAGE	90% (minimum)

WEIGHT 15.8 lbs/1000 ft. (nominal)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 0024A0524-9) unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681. 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. Tyco Electronics Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

