

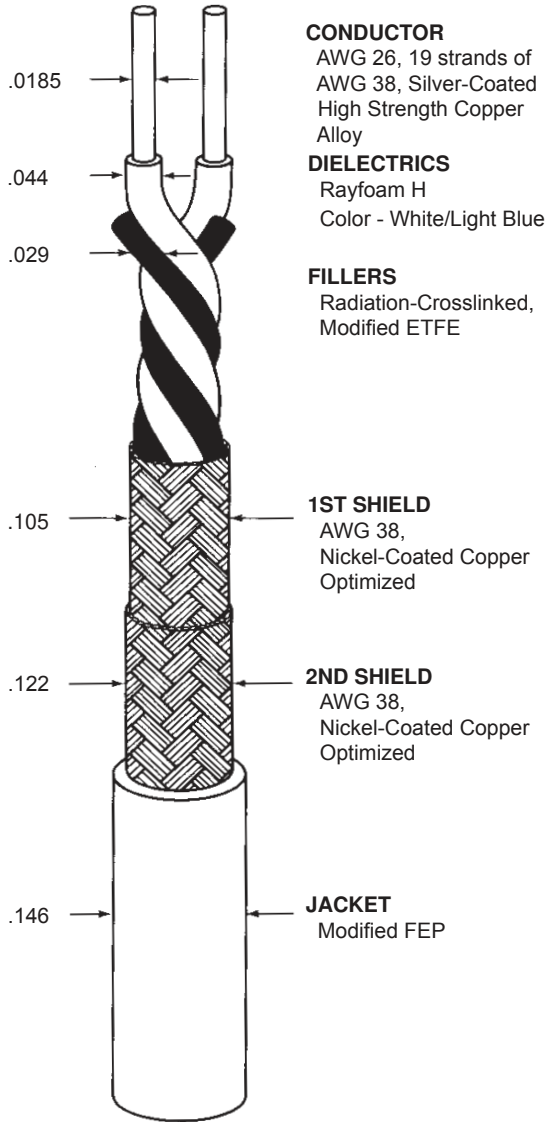
<b>SPECIFICATION CONTROL DRAWING</b>			<b>0026M3424</b>
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<b>CHEMINAX</b>	100 OHM, AWG 26, 19 STRANDS OF AWG 38, TWINAXIAL CABLE, OPTIMIZED DOUBLE SHIELD	Date	11-13-07
		Revision	D

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

<b>CONSTRUCTION DETAILS</b>	<b>ELECTRICAL CHARACTERISTICS</b>
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DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



**CONDUCTOR**  
AWG 26, 19 strands of AWG 38, Silver-Coated High Strength Copper Alloy

**DIELECTRICS**  
Rayfoam H  
Color - White/Light Blue

**FILLERS**  
Radiation-Crosslinked, Modified ETFE

**1ST SHIELD**  
AWG 38, Nickel-Coated Copper Optimized

**2ND SHIELD**  
AWG 38, Nickel-Coated Copper Optimized

**JACKET**  
Modified FEP

CHARACTERISTIC IMPEDANCE	110 ± 10 ohms at 1 MHz 100 ± 10 ohms at 10 MHz
MUTUAL CAPACITANCE	13.8 pF/ft. (nominal)
VELOCITY OF PROPAGATION	75% (nominal)
SURFACE TRANSFER IMPEDANCE	10 milliohms/meter (maximum) at 30 MHz on a 0.7 meter test length

**ADDITIONAL REQUIREMENTS**

**ELECTRICAL**

CONDUCTOR RESISTANCE	43.9 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS SPARK TEST IMPULSE TEST	1.0 kV (rms) 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/4.00 inch mandrel
VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute

**PHYSICAL**

INSULATION (DIELECTRIC) ELONGATION TENSILE STRENGTH	50% (minimum) 600 lbf/in <sup>2</sup> (minimum)
JACKET ELONGATION TENSILE STRENGTH	200% (minimum) 2000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.012 inch (nominal)
SHIELD COVERAGE (EACH)	90% (minimum)
WEIGHT	21.5 lbs/1000 ft. (nominal)

Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 0026M3424-9X) 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 also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

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THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.