

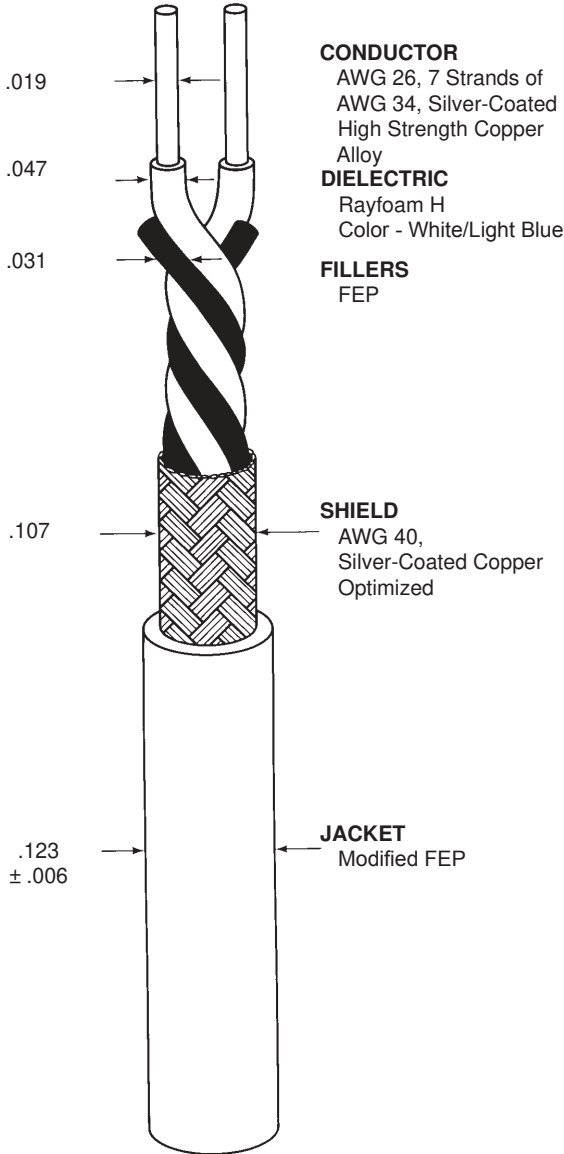
SPECIFICATION CONTROL DRAWING	1726A1424
--------------------------------------	------------------

CHEMINAX	120 OHM, AWG 26, 7 STRANDS OF AWG 34, RADIO FREQUENCY, TWINAXIAL CABLE	Date	4-16-09
		Revision	F

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 26, 7 Strands of
AWG 34, Silver-Coated
High Strength Copper
Alloy

DIELECTRIC
Rayfoam H
Color - White/Light Blue

FILLERS
FEP

SHIELD
AWG 40,
Silver-Coated Copper
Optimized

JACKET
Modified FEP

CHARACTERISTIC IMPEDANCE	120 ± 12 ohms, Method D at 700 kHz - 1 MHz 110 ± 10 ohms, Method D at 1 MHz - 20 MHz
MUTUAL CAPACITANCE	13.72 pF/ft. (maximum)
VELOCITY OF PROPAGATION	77% (nominal)
ATTENUATION	3 dB/100 ft. (maximum) at 1 MHz 8 dB/100 ft. (maximum) at 5 MHz
SURFACE TRANSFER IMPEDANCE	50 milliohms/m (maximum) at 0.1 MHz 50 milliohms/m (maximum) at 1 MHz
	50 milliohms/m (maximum) at 10 MHz 100 milliohms/m (maximum) at 30 MHz
CAPACITANCE UNBALANCE	3.5% (maximum)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	43.9 ohms/1000 ft. (nominal)
INSULATION RESISTANCE (CONDUCTOR TO SHIELD)	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/3.50 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	200% (minimum)
TENSILE STRENGTH	2000 lbf/in ² (minimum)
JACKET THICKNESS	.008 inch (nominal)
SHIELD COVERAGE	90% (minimum)
WEIGHT	12.2 lbs/1000 ft. (nominal)

Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 1726A1424-9X) 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.