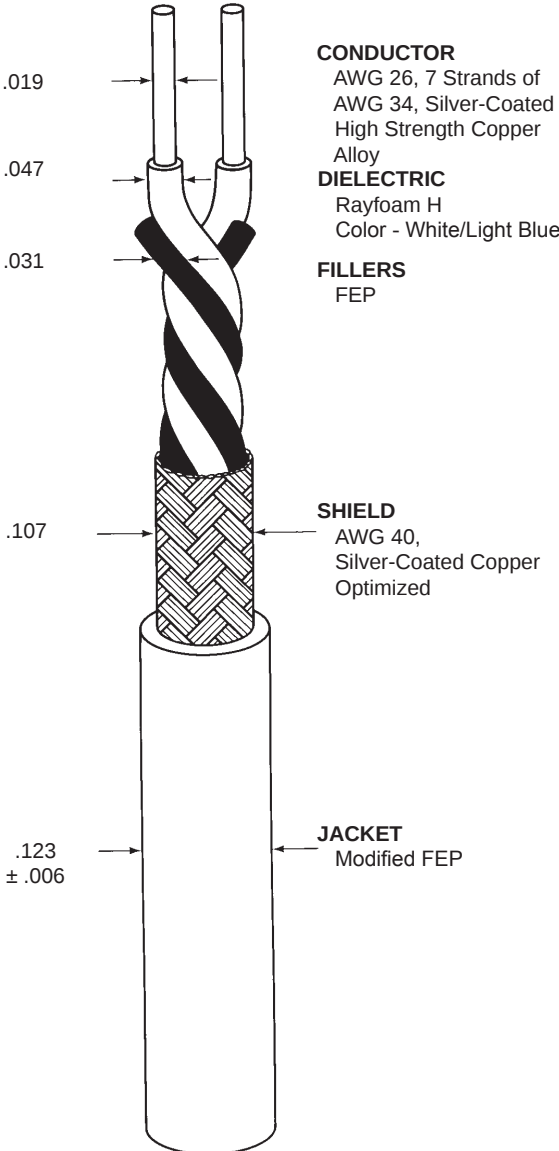


SPECIFICATION CONTROL DRAWING			1726A1424
CHEMINAX	120 OHM, AWG 26, 7 STRANDS OF AWG 34, RADIO FREQUENCY, TWINAXIAL CABLE	Date	4-16-09
		Revision	F
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
DIMENSIONS 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			
<u>ELECTRICAL</u>			
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)	
<u>ENVIRONMENTAL</u>			
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	
<u>PHYSICAL</u>			
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.			
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