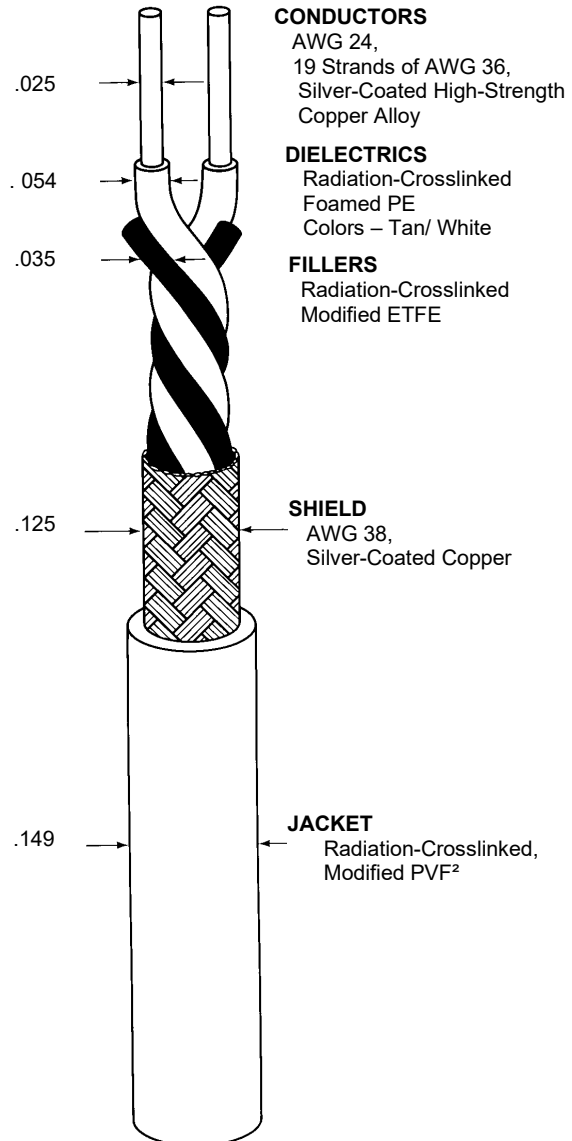


SPECIFICATION CONTROL DRAWING		0024K0214
CHEMINAX	100 OHM, AWG 24, 19 STRANDS OF AWG 36, TWINAXIAL CABLE, OUTER SPACE USE	Date: 5-25-23 Revision: D
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.		
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS
DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.  CONDUCTORS AWG 24, 19 Strands of AWG 36, Silver-Coated High-Strength Copper Alloy DIELECTRICS Radiation-Crosslinked Foamed PE Colors – Tan/ White FILLERS Radiation-Crosslinked Modified ETFE SHIELD AWG 38, Silver-Coated Copper JACKET Radiation-Crosslinked, Modified PVF²		CHARACTERISTIC IMPEDANCE 100 ± 7 ohms, Method C at 1 MHz MUTUAL CAPACITANCE 14.5 pF/ft. (nominal) at 1 MHz VELOCITY OF PROPAGATION 76% (nominal)
		ADDITIONAL REQUIREMENTS
		<u>ELECTRICAL</u> 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 1000 volts rms) (DIELECTRIC) <u>ENVIRONMENTAL</u> FLAMMABILITY Method B HEAT SHOCK 225°C LOW TEMPERATURE- COLD BEND -55°C/4.00 inch mandrel VOLTAGE WITHSTAND 1000 volts (rms), 1 minute (Post Environmental) <u>PHYSICAL</u> INSULATION (DIELECTRIC) (prior to cabling) ELONGATION 50% (minimum) TENSILE STRENGTH 1000 lbf/in ² (minimum) JACKET ELONGATION 200% (minimum) TENSILE STRENGTH 4000 lbf/in ² (minimum) JACKET THICKNESS .012 inch (nominal) SHIELD COVERAGE 90% (minimum) WEIGHT 15.9 lbs/1000 ft. (nominal) <u>OUTER SPACE REQUIREMENTS</u> RADIATION RESISTANCE 500 megarads/ 4.25 inch mandrel VACUUM STABILITY TOTAL MASS LOSS (TML) 1.00% (maximum) VOLATILE CONDENSABLE MATERIAL (VCM) 0.10% (maximum)
Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 0024K0214-9), 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.		<u>ENGINEERING REFERENCE</u> TEMPERATURE RATING 200°C (maximum)
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.		
Page 1 of 1	Rayfoam, Cheminax, Raychem, TE Connectivity, TE connectivity (logo), and TE (logo) are trademarks.	



Raychem Wire & Cable
501 Oakside Avenue
Redwood City, California 94063-3800
Phone: 1-800-227-8816

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

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