

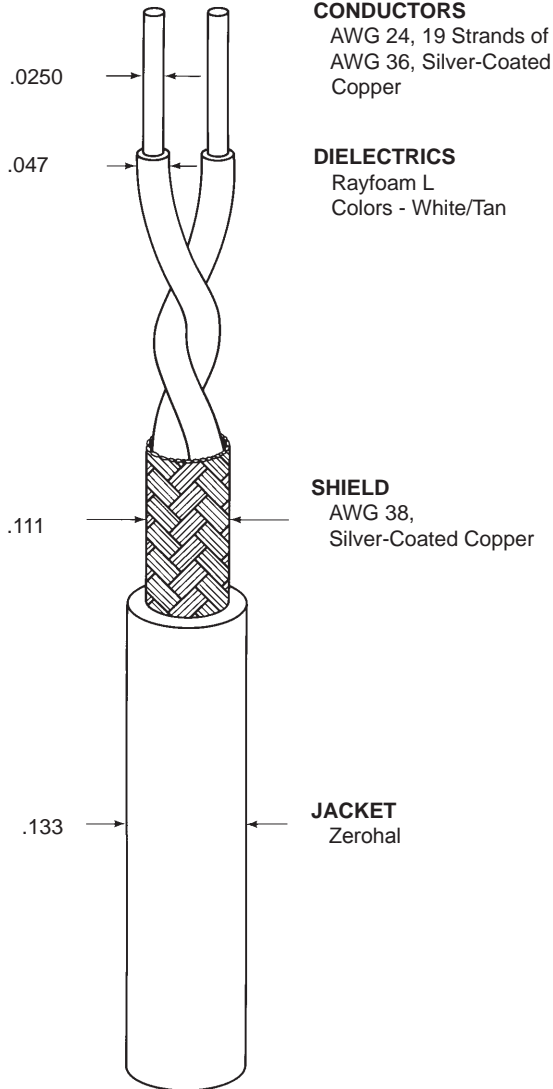
SPECIFICATION CONTROL DRAWING	7824A1812
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CHEMINAX	78 OHM, AWG 24, 19 STRANDS OF AWG 36, TWINAXIAL CABLE	Date	4-7-10
		Revision	A

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

CONSTRUCTION DETAILS	ELECTRICAL CHARACTERISTICS
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DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



CONDUCTORS
AWG 24, 19 Strands of
AWG 36, Silver-Coated
Copper

DIELECTRICS
Rayfoam L
Colors - White/Tan

SHIELD
AWG 38,
Silver-Coated Copper

JACKET
Zerohal

CHARACTERISTIC IMPEDANCE	78 ± 8 ohms, Method C at 1 MHz
MUTUAL CAPACITANCE	20.0 pF/ft. (maximum)
VELOCITY OF PROPAGATION	74% (nominal)
ATTENUATION	10 dB/100 ft. at 100 MHz (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	23.0 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
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-30°C/3.75 inch mandrel
VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC) (Prior to Cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	1000 lbf/in ² (minimum)
JACKET	
ELONGATION	150% (minimum)
TENSILE STRENGTH	1200 lbf/in ² (minimum)
JACKET THICKNESS	.011 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT	11.2 lbs/1000 ft. (nominal)
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Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 7824A1812-0) 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.

