

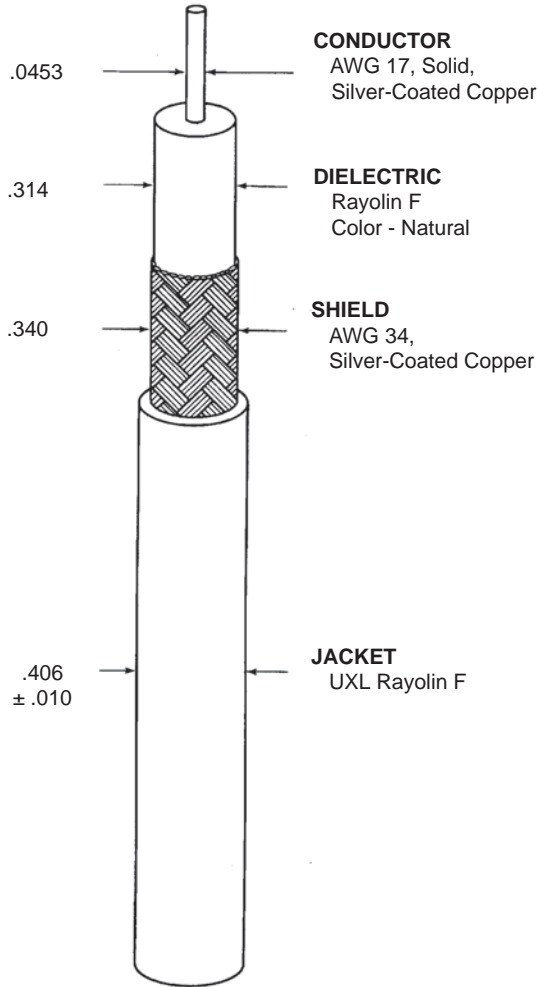
SPECIFICATION CONTROL DRAWING	7817A1032
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CHEMINAX	78 OHM, AWG 17, SOLID CONDUCTOR, COAXIAL CABLE	Date	7-15-10
		Revision	A

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.



CHARACTERISTIC IMPEDANCE	78 ± 7 ohms, Method B
CAPACITANCE	19.7 pF/ft. (nominal)
VELOCITY OF PROPAGATION	66% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	5.20 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

LOW TEMPERATURE-COLD BEND	-55°C/11.0 inch mandrel
VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC)	
ELONGATION	200% (minimum)
TENSILE STRENGTH	1800 lbf/in ² (minimum)
JACKET(per Raychem Spec WCD51/1601)	
ELONGATION	300% (minimum)
TENSILE STRENGTH	1740 lbf/in ² (minimum)
JACKET THICKNESS	.033 inch (nominal)
SHIELD COVERAGE	90% (minimum)

CABLE IDENTIFICATION: Outer jacket shall be marked in contrasting color at 12 inch (nominal) intervals between marks as follows:
" 7817A1032 Year of Manufacture "

WEIGHT	80.0 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. 7817A1032-0) 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.



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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.