

SPECIFICATION CONTROL DRAWING

7520D1831

CHEMINAX

75 OHM, AWG 20, 19 STRANDS OF AWG 32, DATA BUS CABLE

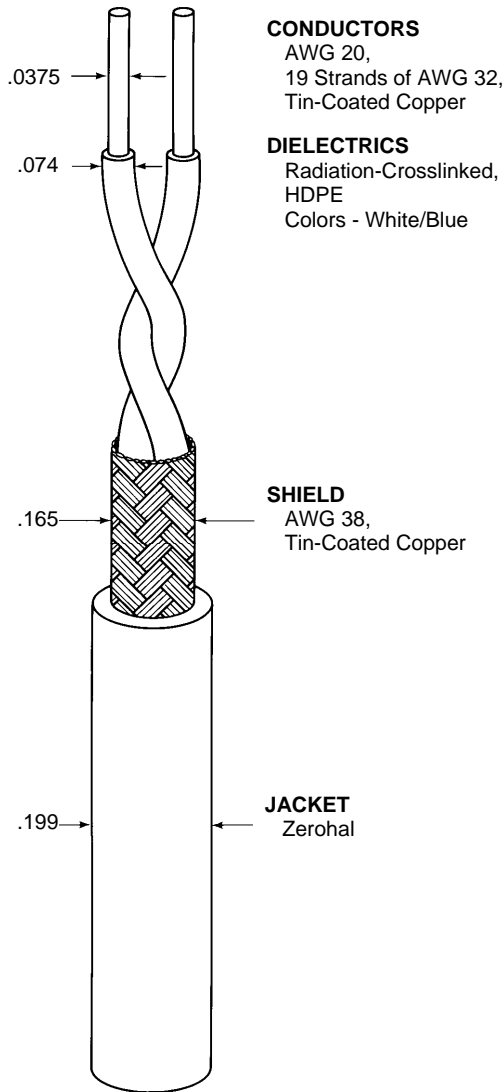
Date: 4-7-15
Revision: C

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.



CHARACTERISTIC IMPEDANCE	75 ± 5 ohms, Method C at 1 MHz
MUTUAL CAPACITANCE	24.0 pF/ft. (nominal)
VELOCITY OF PROPAGATION	66% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL	
CONDUCTOR RESISTANCE (prior to cabling)	9.88 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)	1500 volts (rms)
ENVIRONMENTAL	
FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-30°C/5.50 inch mandrel
VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute
PHYSICAL	
INSULATION (DIELECTRIC) (prior to cabling)	
ELONGATION	200% (minimum)
TENSILE STRENGTH	1800 lbf/in ² (minimum)
JACKET	
ELONGATION	150% (minimum)
TENSILE STRENGTH	1200 lbf/in ² (minimum)
JACKET THICKNESS	.017 inch (nominal)
SHIELD COVERAGE	90% (minimum)

Outer jacket color will be black designated by a "-0" in accordance with MIL-STD-681 appended to the part number, (e.g. 7520D1831-0).

Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

WEIGHT	23.5 lbs/1000 ft. (nominal)
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ENGINEERING REFERENCE

TEMPERATURE RATING	105°C (maximum)
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Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

