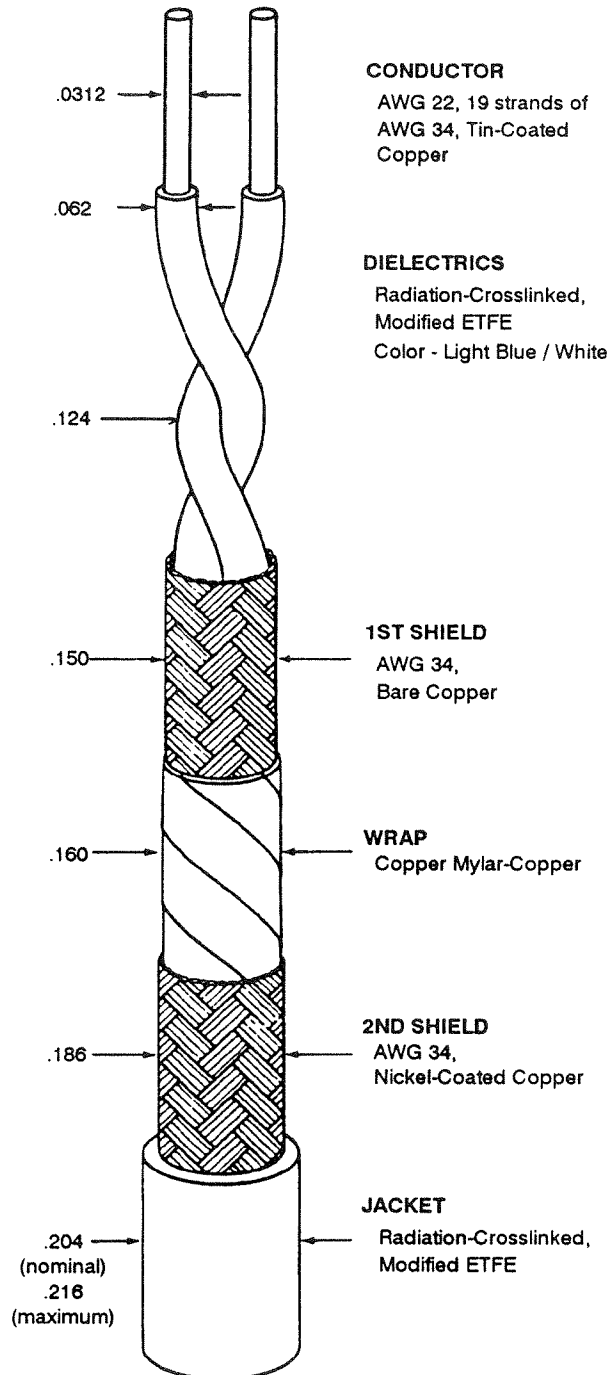


CHEMINAXDATA BUS MIL-STD-1553,
EMP HARDENED, 70 OHM , AWG 22Date: 3-10-92
Revision: J

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

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC IMPEDANCE	70 $\pm$ 7 ohms, Method C at 1 MHz
MUTUAL CAPACITANCE	30 pF/ft. (maximum)
ATTENUATION	1.0 dB/100 ft. (maximum) at 1 MHz

ADDITIONAL REQUIREMENTSCOMPONENT WIRE PRIOR TO CABLING (Per MIL-W-22759)

ACCELERATED AGING (Per MIL-W-22759 Life Cycle Procedure)	300 $\pm$ 3°C for 7 hours, .750 inch mandrel, .500 lb, 2.5 kV dielectric test
LOW TEMPERATURE - COLD BEND	-65 $\pm$ 2°C for 4 hours, .750 inch mandrel, 1.00 lb, 2.5 kV dielectric test
SHRINKAGE	200 $\pm$ 3°C for 6 hours, .125 inch (maximum) in 12 inches
INSULATION RESISTANCE	5000 megohms for 1000 ft. (minimum)
INSULATION (DIELECTRIC) ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in ² (minimum)
IMPULSE DIELECTRIC TEST	8.0 kV (peak), 100% test

FINISHED CABLE (Per MIL-C-27500)

BLOCKING	150°C for 6 hours
LOW TEMPERATURE- COLD BEND	-55 $\pm$ 5°C for 4 hours, 6 inch mandrel
CROSSLINKED VERIFICATION	300 $\pm$ 5°C for 6 hours, 6.00 inch mandrel, .500 lb, 1.0 kV dielectric test 3 seconds (maximum); 3 inch (maximum); no flaming of facial tissue
FLAMMABILITY (Per Raychem Spec. 55A, Procedure 1)	1000 volts (rms), 60 Hz, 100% test
JACKET FLAWS	1000 volts (rms), (minimum)
VOLTAGE WITHSTAND (DIELECTRIC)	
JACKET THICKNESS	.009 inch (nominal)
JACKET ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in ² (minimum)
SHIELD COVERAGE (EACH) WRAP	90% (minimum) .0024 inch thick (nominal), 25% overlap (minimum)

The length of lay shall be .75 inches (minimum) to 1.25 inches (maximum)

WEIGHT

46.6 lbs/1000 ft. (nominal)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 10600-9) unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681

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OVER DOCUMENTS REFERENCED HEREIN. REFERENCE
DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT
ON DATE OF INVITATION FOR BID.