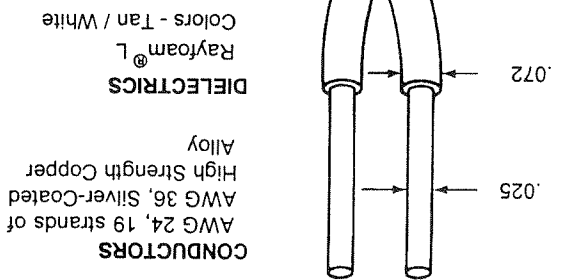


**CONSTRUCTION DETAILS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



Outer jacket color will be white (designated by a "-9" appended to the part number, e.g., 2524E0114-9) unless otherwise specified.  
MIL-STD-681

**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC IMPEDANCE	125 ± 10 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	12.0 pF/ft. (nominal)
VELOCITY OF PROPAGATION	77% (nominal)

**ELECTRICAL**

CONDUCTOR RESISTANCE	26.5ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	1.0 KV (rms), 60 Hz
SPARK TEST	6.0 KV (peak)
IMPULSE TEST	1000 volts (rms) (minimum) (DIELECTRIC)
AGING STABILITY	135°C/-55°C/5.00 inch mandrel Method B
FLAMMABILITY	225°C
HEAT SHOCK	-55°C/5.00 inch mandrel
LOW TEMPERATURE-COLD BEND	1000 volts (rms), 1 minute (POST ENVIRONMENTAL)

**ENVIRONMENTAL**

INSULATION (DIELECTRIC) (Prior to Cabling)	50% (minimum)
TENSILE STRENGTH	800 lb/ft. <sup>2</sup> (minimum)
JACKET ELONGATION	200% (minimum)
TENSILE STRENGTH	4000 lb/ft. <sup>2</sup> (minimum)
JACKET THICKNESS	.009 inch (nominal)
SHIELD COVERAGE	90% (minimum)

**PHYSICAL**

WEIGHT	15.3 lbs/1000 ft (nominal)
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