

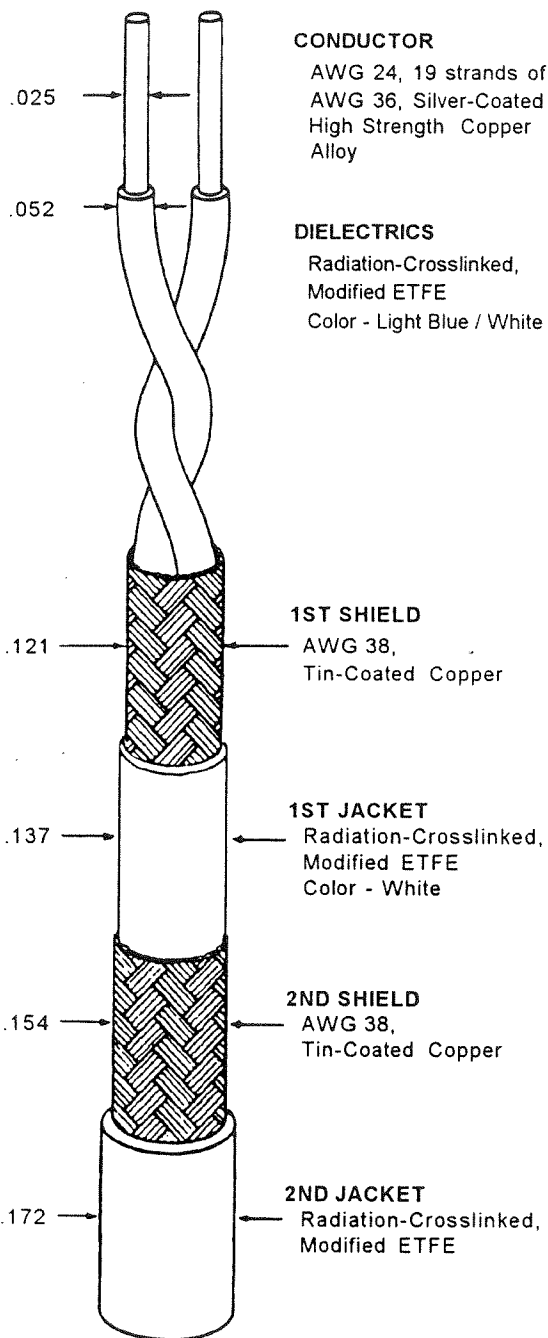
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE	77 ± 5 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	30 pF/ft. (maximum)
ATTENUATION	1.0 dB/100 ft. (nominal) at 1 MHz 1.4 dB/100 ft. (maximum) at 1 MHz



Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. EPD 6499-9) unless otherwise specified.

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

ADDITIONAL REQUIREMENTS

COMPONENT WIRE PRIOR TO CABLING (Test Procedures Per MIL-W-22759)

ACCELERATED AGING (Per MIL-W-22759 Life Cycle Procedure)	300 ± 3°C for 1 hour, .625 inch mandrel, .500 lb, 2.5 kV dielectric test
LOW TEMPERATURE - COLD BEND	-65 ± 2°C for 4 hours, .500 inch mandrel, 1.00 lb, 2.5 kV dielectric test
SHRINKAGE	200 ± 3°C for 1 hour, .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 (Test Procedures per MIL-C-27500)

BLOCKING	200°C for 6 hours
CROSSLINKED VERIFICATION	300 ± 5°C for 6 hours
FLAMMABILITY (Per Raychem Spec. 55A Procedure 1)	3 seconds (maximum); 3 inches (maximum); no flaming of facial tissue
LOW TEMPERATURE - COLD BEND	-55 ± 5°C for 4 hours, 6.00 inch mandrel
JACKET FLAWS	
SPARK TEST	1000 volts (rms), 60 Hz, 100% test
IMPULSE TEST	6.0 kV (peak), 60 Hz, 100% test
JACKET (EACH) ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in ² (minimum)
1ST JACKET THICKNESS	.008 inch (nominal)
2ND JACKET THICKNESS	.009 inch (nominal)
SHIELD COVERAGE (EACH)	90% (minimum)
VOLTAGE WITHSTAND (DIELECTRIC) (Conductor to Conductor and shield, shield to shield)	1000 volts (rms)

WEIGHT 24.6 lbs/1000 ft. (nominal)