

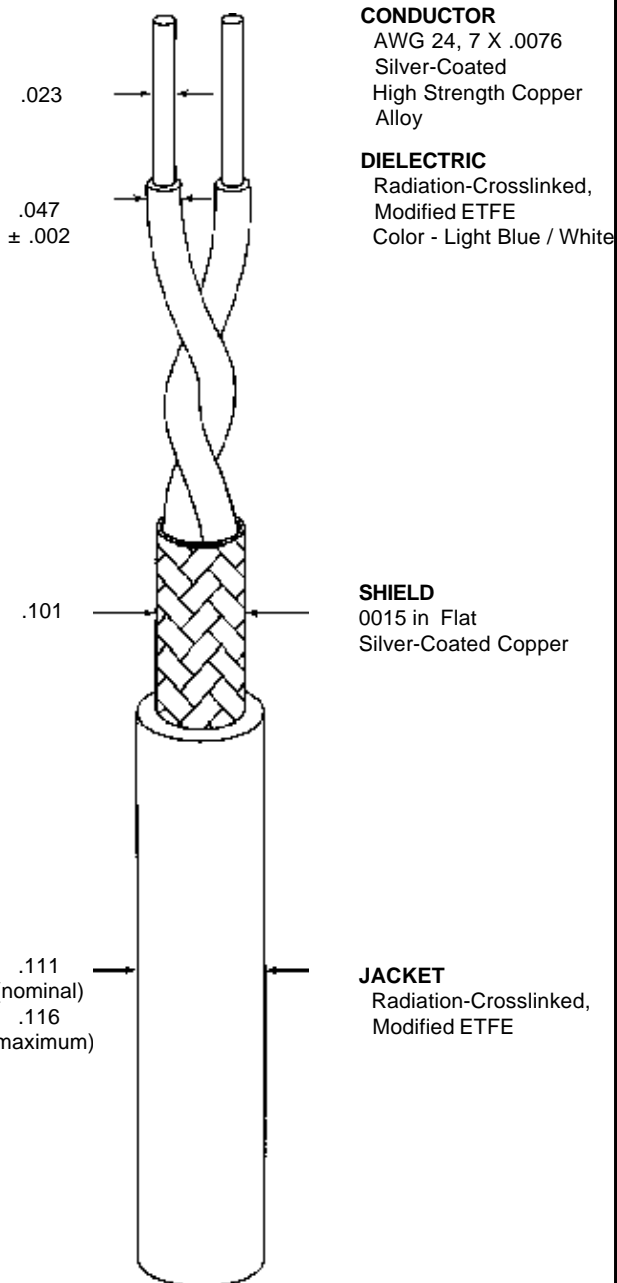
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE	77 ± 7 ohms, Method C at 1 MHz
MUTUAL CAPACITANCE	30 pF/ft. (maximum)
ATTENUATION	1.66 dB/100 ft. @ 1 MHz (nominal)
SURFACE TRANSFER IMPEDANCE	205 milliohms/meter (nominal) at 10 MHz



ADDITIONAL REQUIREMENTS

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

CROSSLINK PROOF	300 ± 3°C for 1 hours, .625 inch mandrel, .375 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 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)
INSULATION FLAWS:	
SPARK TEST	3000 volts (rms)
IMPULSE TEST	8.0 kV (peak)

FINISHED CABLE (Test Procedures Per NEMA WC27500)

BLOCKING	200°C for 6 hours
LOW TEMPERATURE-COLD BEND	-55 ± 5°C for 4 hours, 3.00 inch mandrel
CROSSLINKED VERIFICATION	300 ± 5°C for 6 hours, 3.00 inch mandrel
FLAMMABILITY (Method B of Spec 1200)	3 seconds (maximum); 3 inch (maximum); no flaming of facial tissue
JACKET FLAWS	
SPARK TEST	1000 volts (rms)
IMPULSE TEST	6.0 kV (peak)
JACKET THICKNESS	.0050 inch (nominal) .0045 inch (minimum)
JACKET ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in ² (minimum)
SHIELD COVERAGE	90% (minimum)
VOLTAGE WITHSTAND (DIELECTRIC)	1500 volts (rms)

WEIGHT 7.86 lbs/1000 ft. (nominal)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g., 7724H0664-9) 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.