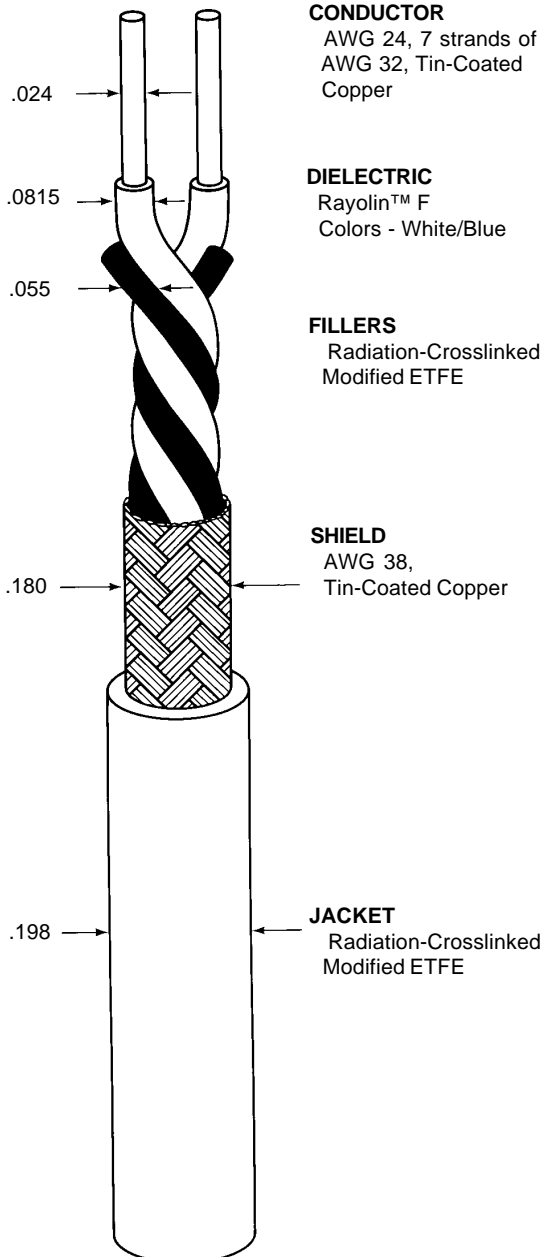


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

**ELECTRICAL CHARACTERISTICS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



**CONDUCTOR**  
AWG 24, 7 strands of  
AWG 32, Tin-Coated  
Copper

**DIELECTRIC**  
Rayolin™ F  
Colors - White/Blue

**FILLERS**  
Radiation-Crosslinked  
Modified ETFE

**SHIELD**  
AWG 38,  
Tin-Coated Copper

**JACKET**  
Radiation-Crosslinked  
Modified ETFE

CHARACTERISTIC IMPEDANCE	124 ± 4 ohms, Method C at 1 MHz
VELOCITY OF PROPAGATION	66% (nominal)
CAPACITANCE	12.0 pF/ft. (nominal)
ATTENUATION	5.95 dB/100 ft. (nominal) at 100 MHz

**ADDITIONAL REQUIREMENTS**

ELECTRICAL

CONDUCTOR RESISTANCE	26.2 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)	1000 volts (rms), (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°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 <sup>2</sup> (minimum)
JACKET	
ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.009 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT	21.9 lbs/1000 ft. (nominal)
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Outer jacket color will be white (designated by a "-9" appended to the part number, e.g.2424A1631-9) 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.