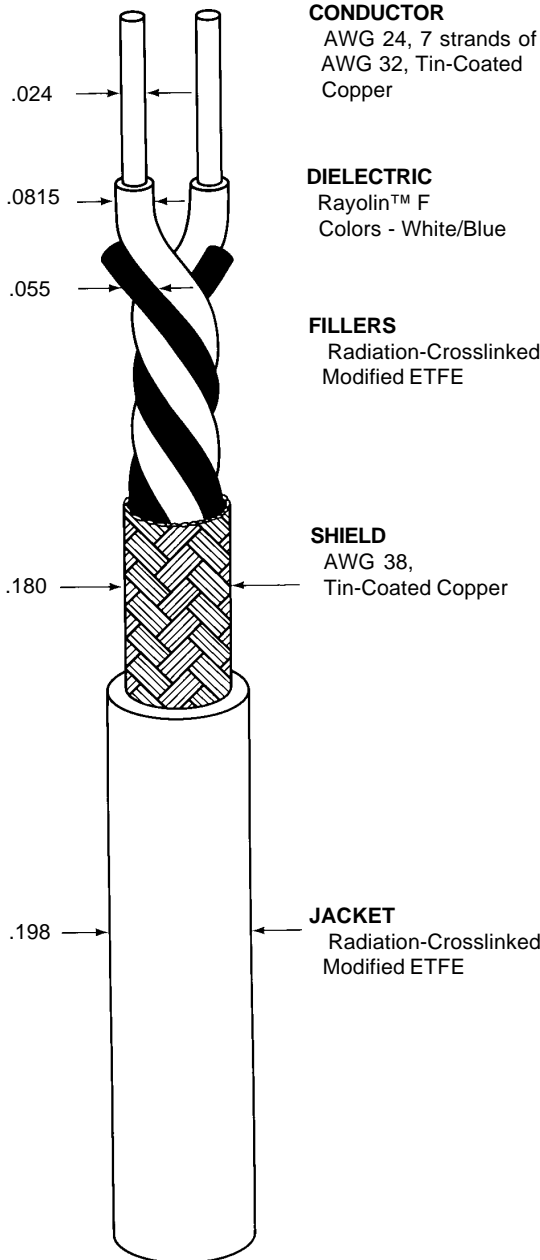


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

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 ² (minimum)
JACKET	
ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in ² (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.