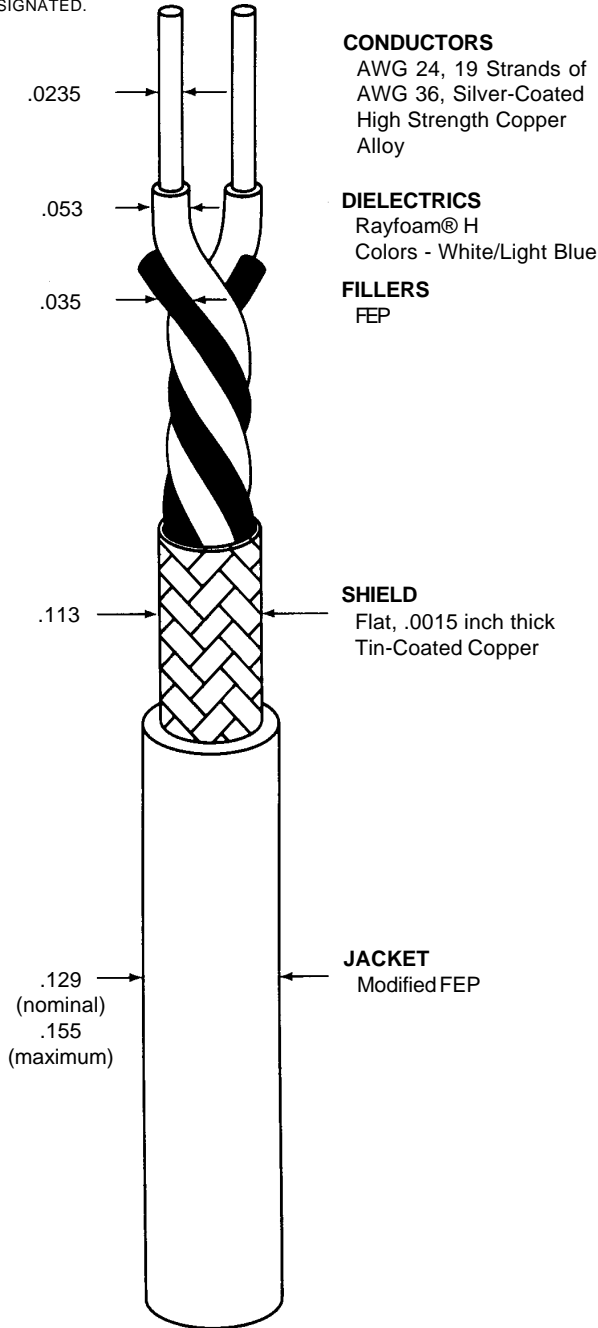


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

**ELECTRICAL CHARACTERISTICS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



- CONDUCTORS**  
AWG 24, 19 Strands of  
AWG 36, Silver-Coated  
High Strength Copper  
Alloy
- DIELECTRICS**  
Rayfoam® H  
Colors - White/Light Blue
- FILLERS**  
FEP

- SHIELD**  
Flat, .0015 inch thick  
Tin-Coated Copper

- JACKET**  
Modified FEP

CHARACTERISTIC IMPEDANCE	100 ± 10 ohms, Method D at 1 MHz
CAPACITANCE - MUTUAL	13.4 pF/ft. (nominal)
VELOCITY OF PROPAGATION	78% (nominal)
ATTENUATION	2.7 dB/100m (maximum) at 1 MHz 5.6 dB/100m (maximum) at 4 MHz 7.9 dB/100m (maximum) at 8 MHz 8.9 dB/100m (maximum) at 10 MHz 11.2 dB/100m (maximum) at 16 MHz 12.7 dB/100m (maximum) at 20 MHz 14.2 dB/100m (maximum) at 25 MHz 16.0 dB/100m (maximum) at 31.25 MHz 23.3 dB/100m (maximum) at 62.5 MHz 30.1 dB/100m (maximum) at 100 MHz

**ADDITIONAL REQUIREMENTS**

**ELECTRICAL**

CONDUCTOR RESISTANCE	28.1 ohms/1000 ft. (maximum)
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)	1500 volts (rms) (minimum)

**ENVIRONMENTAL**

FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/3.50 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

**PHYSICAL**

INSULATION (DIELECTRIC) (Prior to Cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 lbf/in <sup>2</sup> (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	2000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.008 inch (nominal)
SHIELD COVERAGE	92% (minimum)

WEIGHT	21.3 lbs/1000 ft. (maximum)
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Outer jacket will be translucent blue (designated by a "-6X" appended to the part number, e.g., 0024F2424-6X) 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.