### Construction Details

**Conductors**
- AWG 24, 19 Strands of AWG 36, Tin-Coated Copper

**Dielectrics**
- Rayfoam L
  - Colors - White/Tan

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

**Jacket**
- Thermorad S

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 0024A0311-9) 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.

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### Electrical Characteristics

**Characteristics Impedance**
- 100 ± 10 ohms, Method C at 1 MHz

**Mutual Capacitance**
- 13.5 pF/ft. (nominal)

**Velocity of Propagation**
- 79% (nominal)

**Additional Requirements**

**Electrical**
- **Conductor Resistance**: 25.7 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 C
- **Heat Shock**: 225°C
- **Low Temperature-Cold Bend**: -55°C/1.50 inch mandrel
- **Voltage Withstand (Post Environmental)**: 1000 volts (rms), 1 minute

**Physical**
- **Insulation (Dielectric)** (Prior to Cabling)
  - **Elongation**: 50% (minimum)
  - **Tensile Strength**: 800 lbf/in² (minimum)
- **Jacket**
  - **Elongation**: 100% (minimum)
  - **Tensile Strength**: 2000 lbf/in² (minimum)
- **Jacket Thickness**: .015 inch (nominal)
- **Shield Coverage**: 90% (minimum)

**Weight**
- 16.0 lbs/1000 ft. (nominal)

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

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