

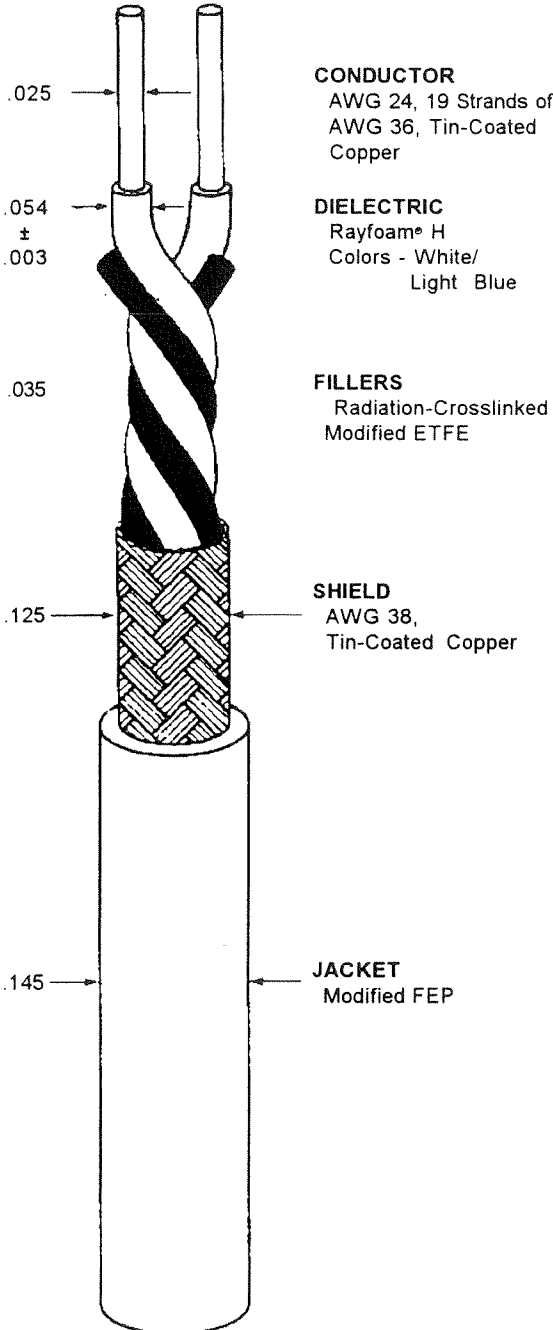
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

| | |
|--------------------------|---------------------------------|
| CHARACTERISTIC IMPEDANCE | 100 ± 8 ohms, Method C at 1 MHz |
| CAPACITANCE - MUTUAL | 13.5 pF/ft. (nominal) |
| VELOCITY OF PROPAGATION | 76% (nominal) |
| CAPACITANCE UNBALANCE | 3% (nominal) |



ADDITIONAL REQUIREMENTS

ELECTRICAL

| | |
|--------------------------------|---------------------------------------|
| CONDUCTOR RESISTANCE | 24.8 ohms/1000 ft. (nominal) |
| INSULATION RESISTANCE | 10,000 megohms (minimum) for 1000 ft. |
| JACKET FLAWS | |
| SPARK TEST | 1.0 kV (rms), 60 Hz |
| IMPULSE TEST | 6.0 kV, (peak) |
| VOLTAGE WITHSTAND (DIELECTRIC) | 1000 volts (rms), (minimum) |
| LOOP RESISTANCE | 60 ohms/1000 ft. (nominal) |

ENVIRONMENTAL

| | |
|----------------------------|-------------------------------|
| AGING STABILITY | 135°C/-55°C/3.75 inch mandrel |
| FLAMMABILITY | Method B |
| HEAT SHOCK | 225°C |
| LOW TEMPERATURE- COLD BEND | -55°C/3.75 inch mandrel |

PHYSICAL

| | |
|--|------------------------------------|
| INSULATION (DIELECTRIC) (Prior to cabling) | |
| ELONGATION | 50% (minimum) |
| TENSILE STRENGTH | 600 lbf/in ² (minimum) |
| JACKET | |
| ELONGATION | 200% (minimum) |
| TENSILE STRENGTH | 2000 lbf/in ² (minimum) |
| JACKET THICKNESS | .010 inch (nominal) |
| SHIELD COVERAGE | 90% (minimum) |
| LOOP-RESISTANCE | 60 ohms/1000 ft. (nominal) |

WEIGHT 17.3 lbs/1000 ft. (nominal)

Outer jacket color will be transparent white (designated by a "-9X" appended to the part number, e.g. 0024A0021-9X) unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681.