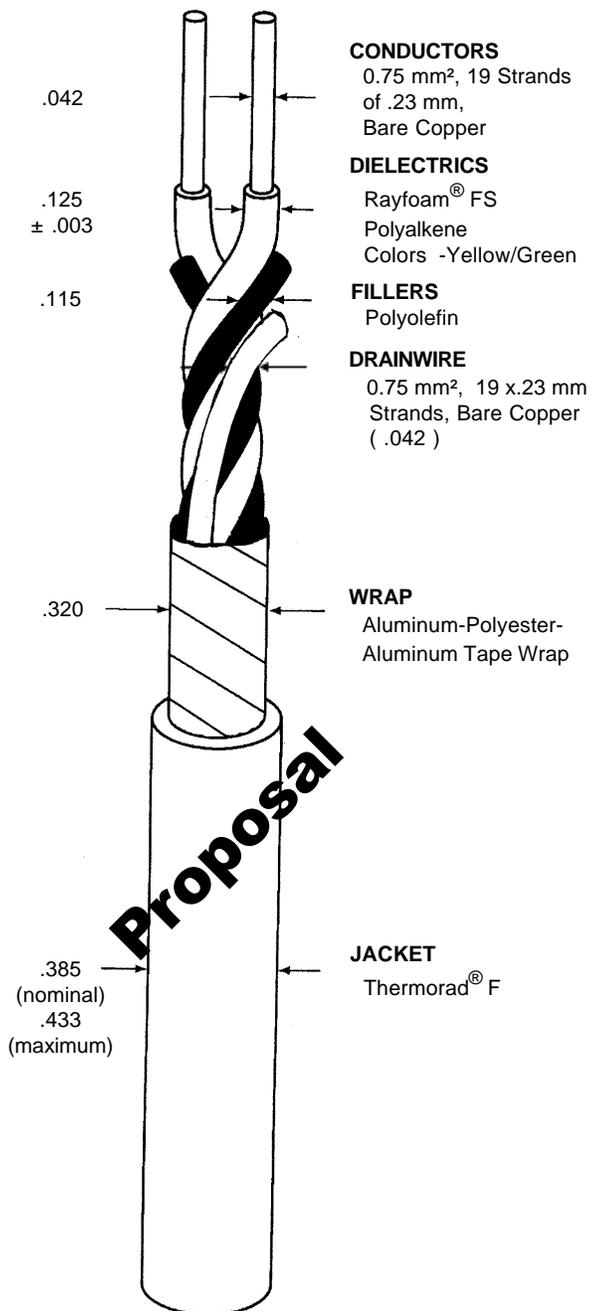


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

**ELECTRICAL CHARACTERISTICS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



CHARACTERISTIC IMPEDANCE	120 ± 12 ohms, Method D at 1 MHz (with shield grounded)
CAPACITANCE - MUTUAL	10.5 pF/ft. (nominal)
VELOCITY OF PROPAGATION	74% (nominal)
SURFACE TRANSFER IMPEDANCE	225 milliohms/meter (maximum) at 0.1 to 1 MHz (Per MIL-C-85485)

**ADDITIONAL REQUIREMENTS**

ELECTRICAL

CONDUCTOR RESISTANCE	7.74 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method C
HEATSHOCK	225°C
LOW TEMPERATURE-COLD BEND	-55°C/11.00 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 60 Hz, 1 minute

PHYSICAL

CONCENTRICITY DIELECTRIC	Not Applicable
ELONGATION TENSILE STRENGTH JACKET	100% (minimum)
ELONGATION TENSILE STRENGTH WRAP	1250 lbf/in <sup>2</sup> (minimum)
ELONGATION TENSILE STRENGTH JACKET	300% (minimum)
ELONGATION TENSILE STRENGTH WRAP	2500 lbf/in <sup>2</sup> (minimum)
CONCENTRICITY JACKET THICKNESS	70% (minimum)
CONCENTRICITY WRAP	.030 ± .005 inch
JACKET THICKNESS	.0035 inch thick (nominal)

JACKET MARK: Mark outer jacket at 12 inch (nominal) intervals in white ink as follows:

" RAYCHEM J1939-11 0.75mm<sup>2</sup> "

WEIGHT	53.6 lbs/1000 ft. (nominal)
--------	-----------------------------

Outer jacket will be Black (designated by a -0 appended to the part number, e.g., 2019D0309-0) 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.