

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

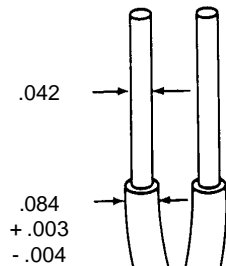
CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE	120 ± 12 ohms, Method D at 1 MHz
CAPACITANCE	10.5 pF/ft. (nominal) at 1 MHz
VELOCITY OF PROPAGATION	67% (nominal)

CONDUCTORS
AWG 19, 19 Strands of
0.23 mm, Bare Copper



DIELECTRICS
Rayfoam[®] M
Colors - Yellow/Green

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

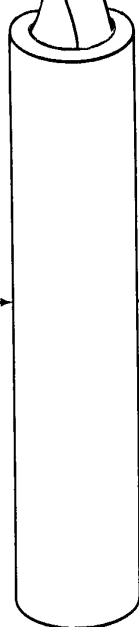
FLAMMABILITY	Method C
HEATSHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/6.00 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

PHYSICAL

CONCENTRICITY	70% (minimum)
DIELECTRIC (PRIOR TO CABLING)	
ELONGATION	150% (minimum)
TENSILE STRENGTH	1500 lbf/in ² (minimum)
JACKET ELONGATION	300% (minimum)
TENSILE STRENGTH	2500 lbf/in ² (minimum)
JACKET THICKNESS	.030 ± .005 inch
LAY LENGTH	1.3 ± .2 inch

JACKET
Thermorad[®] F

.209 (minimum)
.228 (nominal)



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

for product jacketed in USA " RAYCHEM SAE J1939-15 0.8mm² "
for product jacketed in Mexico " RAYCHEM SAE J1939/15 0.8mm² "

WEIGHT 23.5 lbs/1000 ft. (nominal)

Outer jacket will be black (designated by a "-0" appended to the part number, e.g., 2019E0309-0) 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.