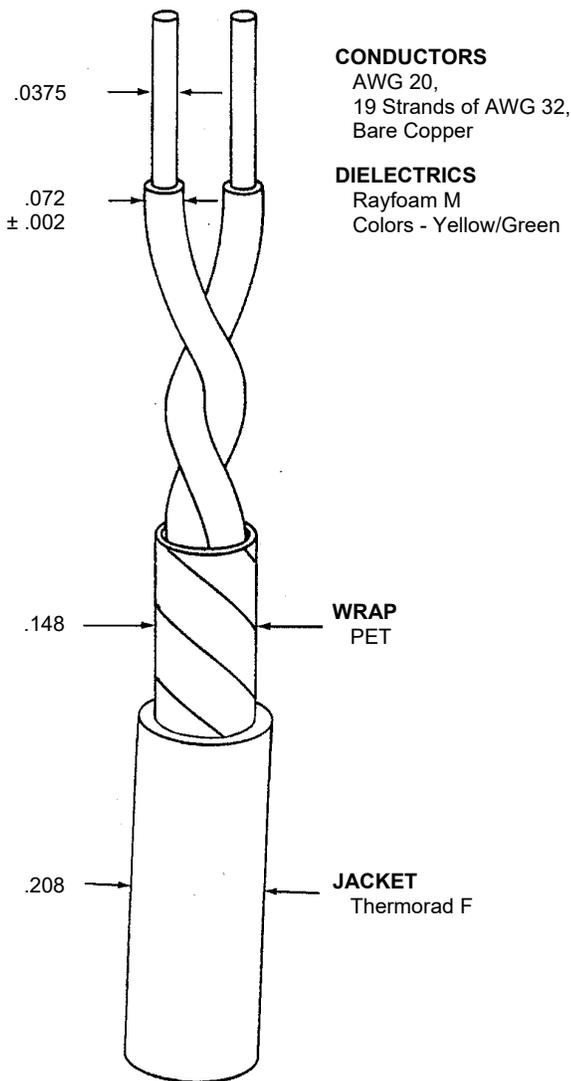| SPECIFICATION CONTROL DRAWING	2020B0309	
CHEMINAX 120 OHM, AWG 20, 19 STRANDS OF AWG 32, TWISTED PAIR CABLE, J1939-15 COMPLIANT	Date: 3-7-18	
	Revision: F	

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

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.

.0375

CONDUCTORS
AWG 20,
19 Strands of AWG 32,
Bare Copper

.072
± .002

DIELECTRICS
Rayfoam M
Colors - Yellow/Green

.148

WRAP
PET

.208

JACKET
Thermorad F

Designate outer jacket color with a dash number in accordance with MIL-STD-681. Unless otherwise specified, outer jacket color will be black designated by a "-0" appended to the part number, (e.g. 2020B0309-0).

Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	120 ± 12 ohms, Method D at 1 MHz
CAPACITANCE	12.0 pF/ft. (nominal) at 1 MHz
VELOCITY OF PROPAGATION	70% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE (prior to cabling)	9.35 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method C
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-55°C/5.50 inch mandrel

PHYSICAL

INSULATION (DIELECTRIC)
ELONGATION — 100% (minimum)
TENSILE STRENGTH — 1000 lbf/in^2 (minimum)

JACKET
ELONGATION — 200% (minimum)
TENSILE STRENGTH — 2000 lbf/in^2 (minimum)

JACKET THICKNESS — .025 inch (minimum), .030 inch (nominal), .040 inch (maximum)

WRAP — .001 inch thick (nominal), 25% overlap (minimum)

WEIGHT — 18.7 lbs/1000 ft. (nominal)

ENGINEERING REFERENCE

TEMPERATURE RATING — 125°C (maximum)

Note: Component diameter is compatible with environmental seals designed for DIN 72551 FLR 0.75 mm^2, 1.7 - 1.9 mm OD type wire.

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