

SPECIFICATION CONTROL DRAWING

2020D0309

CHEMINAX

120 OHM, AWG 20, 7 STRANDS OF AWG 28, GXL CONDUCTOR,
TWISTED PAIR CABLE, J1939-15 COMPLIANT

Date: 10-2-14
Revision: C

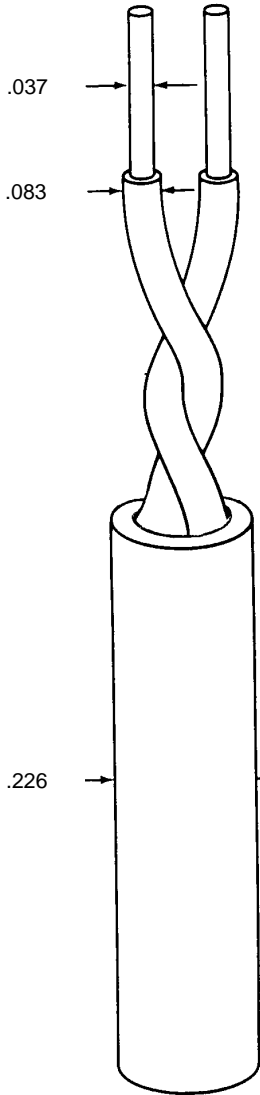
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.

Components comply with SAE J1128, Type GXL.



CONDUCTORS
AWG 20,
7 Strands of AWG 28,
Bare Copper

DIELECTRICS
Crosslinked Polyolefin
Colors - Yellow/Green

JACKET
Thermorad F

CHARACTERISTIC IMPEDANCE 120 ± 12 ohms, Method D at 1 MHz
CAPACITANCE 12.0 pF/ft. (nominal) at 1 MHz
VELOCITY OF PROPAGATION 66% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

VOLTAGE WITHSTAND (DIELECTRIC) 1500 volts (rms)

ENVIRONMENTAL

FLAMMABILITY Method C
HEAT SHOCK 225°C
LOW TEMPERATURE-COLD BEND -55°C/6.00 inch mandrel

PHYSICAL

JACKET ELONGATION 200% (minimum)
TENSILE STRENGTH 2000 lbf/in² (minimum)
JACKET THICKNESS .025 inch (minimum),
.030 inch (nominal),
.040 inch (maximum)

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. 2020D0309-0). Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

WEIGHT 22.2 lbs/1000 ft. (nominal)

ENGINEERING REFERENCE

TEMPERATURE RATING 125°C (maximum)

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.

