

SPECIFICATION CONTROL DRAWING

4126C1332

CHEMINAX

41 OHM, AWG 26, 19 STRANDS OF AWG 38, COAXIAL CABLE

Date: 8-4-15
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.

CHARACTERISTIC IMPEDANCE 41 ± 2 ohms, Method A
CAPACITANCE 35.3 pF/ft. (minimum),
 42.0 pF/ft. (maximum)
VELOCITY OF PROPAGATION 64% (nominal)

ADDITIONAL REQUIREMENTS

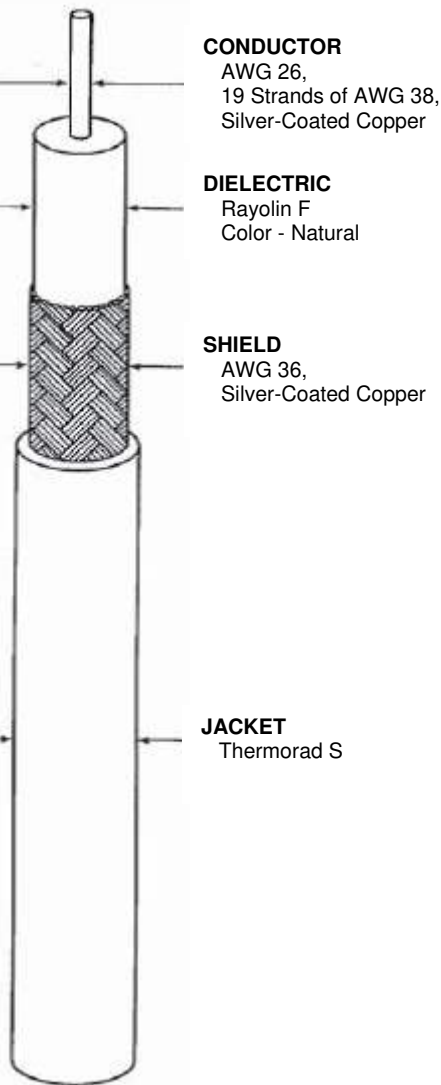
ELECTRICAL
CONDUCTOR RESISTANCE 36.4 ohms/1000 ft. (nominal)
INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS
 SPARK TEST 1.0 kV (rms)
 IMPULSE TEST 6.0 kV (peak)
VOLTAGE WITHSTAND
(DIELECTRIC) 1500 volts (rms)

ENVIRONMENTAL
FLAMMABILITY Method C
HEAT SHOCK 225°C
LOW TEMPERATURE-COLD BEND -55°C/2.50 inch mandrel
VOLTAGE WITHSTAND
(Post Environmental) 1000 volts (rms), 1 minute

PHYSICAL
INSULATION (DIELECTRIC)
 ELONGATION 200% (minimum)
 TENSILE STRENGTH 1800 lbf/in² (minimum)
JACKET
 ELONGATION 200% (minimum)
 TENSILE STRENGTH 2000 lbf/in² (minimum)
JACKET THICKNESS .010 inch (nominal)
SHIELD COVERAGE 90% (minimum)

WEIGHT 7.3 lbs/1000 ft. (nominal)

ENGINEERING REFERENCE
TEMPERATURE RATING 110°C (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. 4126C1332-0). 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 Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

