SPECIFICATION CONTROL DRAWING

5016D3132

CHEMINAX

50 OHM, AWG 16, 19 STRANDS OF AWG 29, COAXIAL CABLE

Date 3-5-13
Revision C

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

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

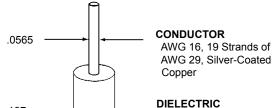
ADDITIONAL REQUIREMENTS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A CAPACITANCE 31.0 pF/ft. (nominal) VELOCITY OF PROPAGATION 66% (nominal)

ATTENUATION

7.0 dB/100 ft. (maximum) at 400 MHz



ELECTRICAL

CONDUCTOR RESISTANCE 4.41 ohms/1000 ft. (nominal)

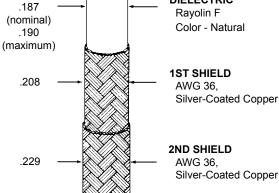
INSULATION RESISTANCE 10,000 megohms (minimum)

for 1000 ft.

 JACKET FLAWS
 1.0 kV (rms)

 SPARK TEST
 6.0 kV (peak)

VOLTAGE WITHSTAND (DIELECTRIC) 1000 volts (rms) (minimum)



ENVIRONMENTAL

FLAMMABILITY Method B HEAT SHOCK 225°C

LOW TEMPERATURE-COLD BEND -55°C/7.00 inch mandrel
VOLTAGE WITHSTAND 1000 volts (rms) , 1 minute

(Post Environmental)

PHYSICAL

INSULATION (DIELECTRIC)

ELONGATION 200% (minimum)
TENSILE STRENGTH 1800 lbf/in² (minimum)

JACKET

ELONGATION 200% (minimum)
TENSILE STRENGTH 4000 lbf/in² (minimum)

JACKET THICKNESS .014 inch (nominal)

SHIELD COVERAGE (EACH) 90% (minimum)

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 5016D3132-9) unless otherwise specified.

JACKET

Radiation-Crosslinked

Modified PVDF

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.

WEIGHT

55.1 lbs/1000 ft. (nominal)

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.

Page 1 of 1

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