CHEMINAX

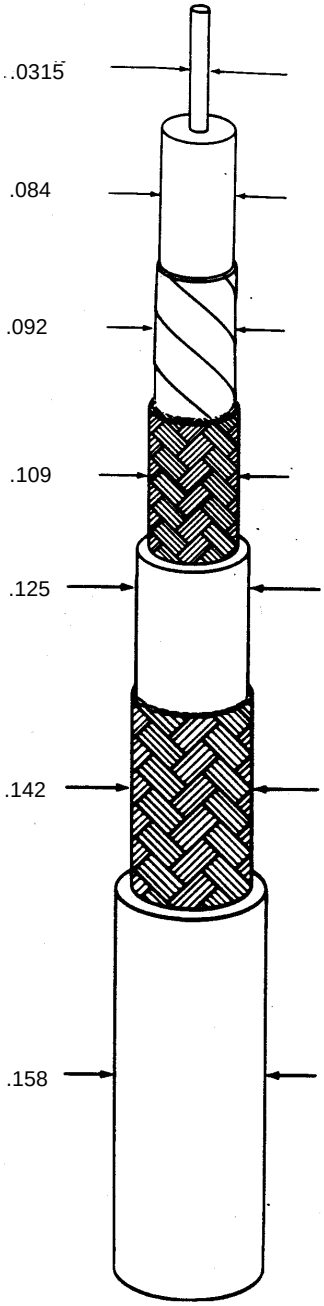
50 OHM, AWG 22, 19 STRANDS OF 34 AWG, COAXIAL CABLE

Date: 12-13-05
Revision: E

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.



CONDUCTOR
AWG 22, 19 strands of AWG 34, Silver-Coated Copper

DIELECTRIC
Rayfoam ® H
Color - White

WRAP
Aluminum Polyester
Aluminum side facing out

1st SHIELD
AWG 38 Round
Tin-Coated Copper

1st JACKET
ETFE
Color - White

2nd SHIELD
AWG 38 Round
Tin-Coated Copper

2nd JACKET
ETFE

Outer jacket color will be white (designated by a "-9"appended to the part number, e.g. 5022N5522-9) 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.

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	50 ± 2 ohms, Method A
CAPACITANCE	26.0 pF/ft. (nominal)
VELOCITY OF PROPAGATION	78% (nominal)
ATTENUATION	2.0 dB/100 ft (nominal) at 10 MHz

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	14.4 ohms/1000 ft. (nominal)
INSULATION RESISTANCE (CONDUCTOR TO SHIELD)	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms)
IMPULSE TEST	6.0 kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	
CONDUCTOR TO SHIELD	1000 volts (rms) (minimum)
SHIELD TO SHIELD	500 volts (rms) (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method B
LOW TEMPERATURE-COLD BEND	-55°C/4.25 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 lbf/in^2 (minimum)
JACKET (EACH)	
ELONGATION	150% (minimum)
TENSILE STRENGTH	5000 lbf/in^2 (minimum)
JACKET THICKNESS (EACH)	.008 inch (nominal)
SHIELD COVERAGE (EACH)	90% (minimum)
WEIGHT	23.1 lbs/1000 ft. (nominal)

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

tyco Electronics Raychem Wire & Cable
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1-800-227-8816 Fax: 1-650-361-6297

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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FOR EMBRAER INFORMATION ONLY

Minimum Bend Radius (for non-flexing applications only): 5x the finished cable diameter

Note: If wrinkling occurs on inside of bend, cable should be replaced.