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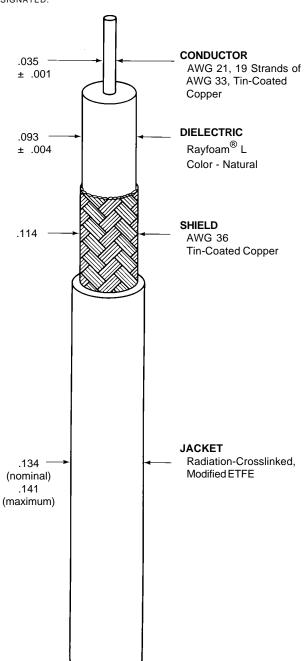


50 OHM, AWG 21, 19 STRANDS OF AWG 33, **COAXIAL CABLE** Revision:

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.



Outer jacket color will be black (designated by a "-0" appended to the part number, e.g., 5021K1011-0) 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** 25.0 pF/ft. (minimum)

30.0 pF/ft. (maximum)

Date:

**VELOCITY OF PROPAGATION** 76% (nominal)

**ATTENUATION** 15.5 dB/100 ft. (maximum)

at 400 MHz

#### ADDITIONAL **REQUIREMENTS**

### **ELECTRICAL**

**CONDUCTOR RESISTANCE** 11.7 ohms/1000ft. (nominal) **INSULATION RESISTANCE** 10,000 megohms (minimum)

for 1000 ft.

**JACKET FLAWS** SPARKTEST 1.0 kV, **IMPULSETEST** 6.0 kV (peak) **VOLTAGE WITHSTAND** 1000 volts (minimum)

(DIELECTRIC)

**VSWR** FREQUENCY (Mhz) **STRUCTURAL** 

RETURN LOSS (db)

41 - 88 22 (minimum) 90 - 136 22 (minimum) 162 - 230 22 (minimum) When terminated with an approved

connector

### **ENVIRONMENTAL**

**FLAMMABILITY** Method B **HEAT SHOCK** 225°C

LOWTEMPERATURE--55°C/3.75 inch mandrel

**COLD BEND** 

**SKYDROLRESISTANCE** 24 hours at 50 ± 1°C, change in O.D.

of 5% (maximum)

**VOLTAGE WITHSTAND** 

(POSTENVIRONMENTAL) 1000 volts (rms), 1 minute

#### **PHYSICAL**

INSULATION (DIELECTRIC)

**ELONGATION** 50% (minimum) 1000 lbf/in<sup>2</sup> (minimum) TENSILE STRENGTH

JACKET

**ELONGATION** 50% (minimum) 5000 lbf/in2 (minimum) **TENSILE STRENGTH JACKETTHICKNESS** .008 inch (minimum) SHIELDCOVERAGE 90% (minimum)

PRODUCT IDENTIFICATION: The cable shall be marked in a contrasting color at 6 inch (minimum), 12 inch (maximum) intervals between marks as

"5021K1011 06090" follows:

WEIGHT 15.0 lbs/1000 ft. (maximum)

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, v

