

.223

.253

.325

.351

.355

.465

± .010

75 OHM, AWG 18, 19 STRANDS OF AWG 30, OPTIMIZED SHIELD, TRIAXIAL CABLE

Date: 9-28-06 Revision:

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. CONDUCTOR AWG18, 19 strands of .0465 AWG 30, Tin-Coated Copper

DIELECTRIC Rayfoam® L

Color - Natural

1ST SHIELD AWG 34. .249 **Tin-Coated Copper**

> **1ST WRAP** Polyester Tape

1ST JACKET Zerohal™ Color - Black

2ND SHIELD AWG 34, Tin-Coated Copper Optimized

2ND WRAP Polyester Tape

2ND JACKET Zerohal™

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 7518A0811-0) 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.

CHARACTERISTIC IMPEDANCE 75 ± 3 ohms, Method B

CAPACITANCE 17.9 pF/ft. (nominal)

VELOCITY OF PROPAGATION 76% (nominal)

SURFACE TRANSFER 700 milliohms/meter (maximum) at 0.1 MHz - 1 GHz **IMPEDANCE**

EMP RESPONSE 60 dB (minimum) for 1 meter

ATTENUATION 1.1 dB/100 ft. (maximum) at 10 MHz

> 2.9 dB/100 ft. (maximum) at 100 MHz 6.0 dB/100 ft. (maximum) at 400 MHz

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE 6.23 ohms/1000 ft. (nominal) 10,000 megohms (minimum) INSULATION RESISTANCE

(DIELECTRIC) 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 **HEAT SHOCK** 225°C

LOW TEMPERATURE--30°C/12.00 inch mandrel

COLD BEND

VOLTAGE WITHSTAND

(POST ENVIRONMENTAL) 1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC)

ELONGATION TENSILE STRENGTH

JACKET (EACH)

ELONGATION TENSILE STRENGTH 1ST JACKET THICKNESS

2ND JACKET THICKNESS SHIELD COVERAGE (1ST) WRAP (EACH)

50% (minimum) 1000 lbf/in2 (minimum)

150% (minimum) 1200 lbf/in2 (minimum) .036 inch (nominal) .055 inch (nominal) 85% (minimum)

.001 inch thick (nominal), 25% overlap (minimum)

WFIGHT 136. 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.





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

单击下面可查看定价,库存,交付和生命周期等信息

>>TE Connectivity(泰科)