

| SPECIFICATION CONTROL DRAWING | | 7518A3811 |
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| CHEMINAX | 75 OHM, AWG 18, 19 STRANDS OF AWG 30, COAXIAL CABLE | Date: 5-12-15 Revision: D |
| 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. <p>CONDUCTOR AWG 18, 19 Strands of AWG 30, Tin-Coated Copper</p> <p>DIELECTRIC Radiation-Crosslinked, Foamed PE Color - Natural</p> <p>1st SHIELD AWG 36, Tin-Coated Copper</p> <p>2nd SHIELD AWG 36, Tin-Coated Copper</p> <p>JACKET Zerohal</p> | | CHARACTERISTIC IMPEDANCE 75 ± 3 ohms, Method B CAPACITANCE 17.4 pF/ft. (nominal) VELOCITY OF PROPAGATION 78% (nominal) |
| | | ADDITIONAL REQUIREMENTS |
| | | <p><u>ELECTRICAL</u></p> CONDUCTOR RESISTANCE 6.07 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) |
| | | <p><u>ENVIRONMENTAL</u></p> FLAMMABILITY Method B HEAT SHOCK 225°C LOW TEMPERATURE-COLD BEND -30°C/9.00 inch mandrel VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute |
| | | <p><u>PHYSICAL</u></p> INSULATION (DIELECTRIC) ELONGATION 50% (minimum) TENSILE STRENGTH 1000 lbf/in ² (minimum) JACKET ELONGATION 150% (minimum) TENSILE STRENGTH 1200 lbf/in ² (minimum) JACKET THICKNESS .027 inch (nominal) SHIELD COVERAGE (each) 90% (minimum) WEIGHT 64.5 lbs/1000 ft. (nominal) |
| 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. 7518A3811-0). Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order. | | CABLE IDENTIFICATION: Outer jacket shall be marked in contrasting color at 12 inch nominal intervals between marks as follows: "RAYCHEM 7518A3811 (REF. RG 216) Yr of Mfg" |
| | | <p><u>ENGINEERING REFERENCE</u></p> TEMPERATURE RATING 105°C (maximum) |
| 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 | Zerohal, Cheminax, Raychem, TE Connectivity, TE connectivity (logo), and TE (logo) are trademarks. | |



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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.

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