

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

CONSTRUCTION DETAILS	ELECTRICAL CHARACTERISTICS																																												
<p>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</p>	<table border="0"> <tr> <td>CHARACTERISTIC IMPEDANCE</td> <td>75 ± 3 ohms, Method B</td> </tr> <tr> <td>CAPACITANCE</td> <td>17.1 pF/ft. (nominal) at 1 kHz</td> </tr> <tr> <td>VELOCITY OF PROPAGATION</td> <td>79% (nominal)</td> </tr> </table>	CHARACTERISTIC IMPEDANCE	75 ± 3 ohms, Method B	CAPACITANCE	17.1 pF/ft. (nominal) at 1 kHz	VELOCITY OF PROPAGATION	79% (nominal)																																						
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<p>CONDUCTOR AWG 20, 19 Strands of AWG 32, Tin-Coated Copper</p> <p>DIELECTRIC Rayfoam[®] L Color - Natural</p> <p>SHIELD AWG 36, Tin-Coated Copper</p> <p>JACKET Zerohal[™]</p>	<h3 style="text-align: center;">ADDITIONAL REQUIREMENTS</h3> <table border="0"> <tr> <td colspan="2">ELECTRICAL</td> </tr> <tr> <td>CONDUCTOR RESISTANCE</td> <td>9.53 ohms/1000 ft. (nominal)</td> </tr> <tr> <td>INSULATION RESISTANCE</td> <td>10,000 megohms (minimum) for 1000 ft.</td> </tr> <tr> <td>JACKET FLAWS</td> <td></td> </tr> <tr> <td> SPARK TEST</td> <td>1.0 kV (rms)</td> </tr> <tr> <td> IMPULSE TEST</td> <td>6.0 kV (peak)</td> </tr> <tr> <td>VOLTAGE WITHSTAND (DIELECTRIC)</td> <td>1000 volts (rms), (minimum)</td> </tr> <tr> <td colspan="2">ENVIRONMENTAL</td> </tr> <tr> <td>FLAMMABILITY</td> <td>Method B</td> </tr> <tr> <td>HEAT SHOCK</td> <td>225°C</td> </tr> <tr> <td>LOW TEMPERATURE-COLD BEND</td> <td>-30°C/7.00 inch mandrel</td> </tr> <tr> <td>VOLTAGE WITHSTAND (POST ENVIRONMENTAL)</td> <td>1000 volts (rms), 1 minute</td> </tr> <tr> <td colspan="2">PHYSICAL</td> </tr> <tr> <td>INSULATION (DIELECTRIC)</td> <td></td> </tr> <tr> <td> ELONGATION</td> <td>50% (minimum)</td> </tr> <tr> <td> TENSILE STRENGTH</td> <td>800 lbf/in² (minimum)</td> </tr> <tr> <td>JACKET</td> <td></td> </tr> <tr> <td> ELONGATION</td> <td>150% (minimum)</td> </tr> <tr> <td> TENSILE STRENGTH</td> <td>1200 lbf/in² (minimum)</td> </tr> <tr> <td>JACKET THICKNESS</td> <td>.020 inch (nominal)</td> </tr> <tr> <td>SHIELD COVERAGE</td> <td>90% (minimum)</td> </tr> <tr> <td>WEIGHT</td> <td>27.3 lbs/1000 ft. (nominal)</td> </tr> </table>	ELECTRICAL		CONDUCTOR RESISTANCE	9.53 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)	1000 volts (rms), (minimum)	ENVIRONMENTAL		FLAMMABILITY	Method B	HEAT SHOCK	225°C	LOW TEMPERATURE-COLD BEND	-30°C/7.00 inch mandrel	VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute	PHYSICAL		INSULATION (DIELECTRIC)		ELONGATION	50% (minimum)	TENSILE STRENGTH	800 lbf/in ² (minimum)	JACKET		ELONGATION	150% (minimum)	TENSILE STRENGTH	1200 lbf/in ² (minimum)	JACKET THICKNESS	.020 inch (nominal)	SHIELD COVERAGE	90% (minimum)	WEIGHT	27.3 lbs/1000 ft. (nominal)
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<p>Outer jacket color will be black designated by a "0" appended to the part number, e.g. 7520A1811-0 unless otherwise specified.</p> <p>Designate outer jacket color with a dash number in accordance with MIL-STD-681.</p>																																													