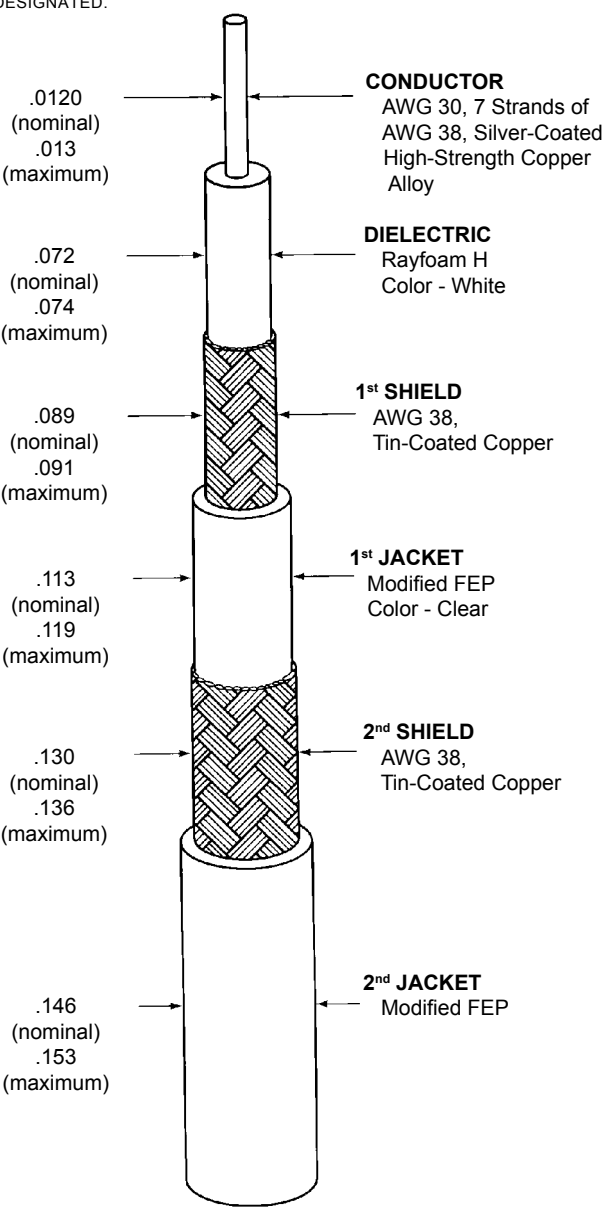


SPECIFICATION CONTROL DRAWING			10598
CHEMINAX	95 OHM, AWG 30, 7 STRANDS OF AWG 38, TRIAXIAL CABLE	Date	2-26-13
		Revision	D
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
<div><p>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</p><p><b>CONDUCTOR</b> AWG 30, 7 Strands of AWG 38, Silver-Coated High-Strength Copper Alloy .0120 (nominal) .013 (maximum)</p><p><b>DIELECTRIC</b> Rayfoam H Color - White .072 (nominal) .074 (maximum)</p><p><b>1<sup>st</sup> SHIELD</b> AWG 38, Tin-Coated Copper .089 (nominal) .091 (maximum)</p><p><b>1<sup>st</sup> JACKET</b> Modified FEP Color - Clear .113 (nominal) .119 (maximum)</p><p><b>2<sup>nd</sup> SHIELD</b> AWG 38, Tin-Coated Copper .130 (nominal) .136 (maximum)</p><p><b>2<sup>nd</sup> JACKET</b> Modified FEP .146 (nominal) .153 (maximum)</p></div> <div><p>Outer jacket color will be translucent white (designated by a "-9X)" appended to the part number, e.g. 10598-30-9X) unless otherwise specified.</p><p>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.</p></div>		<p>CHARACTERISTIC IMPEDANCE 95 ± 5 ohms, Method B</p> <p>CAPACITANCE 13.5 pF/ft. (nominal) 14.6 pF/ft. (maximum)</p> <p>VELOCITY OF PROPAGATION 80% (nominal)</p>	
		ADDITIONAL REQUIREMENTS	
		<p><b>ELECTRICAL</b></p> <p>CONDUCTOR RESISTANCE 116. ohms/1000 ft. (nominal)</p> <p>INSULATION RESISTANCE (CONDUCTOR TO SHIELD) 10,000 megohms (minimum) for 1000 ft.</p> <p>JACKET FLAWS</p> <p>SPARK TEST 1.0 kV (rms)</p> <p>IMPULSE TEST 6.0 kV (peak)</p> <p>VOLTAGE WITHSTAND</p> <p>CONDUCTOR TO SHIELD 1000 volts (rms) (minimum)</p> <p>SHIELD TO SHIELD 500 volts (rms) (minimum)</p> <p><b>ENVIRONMENTAL</b></p> <p>FLAMMABILITY Method B</p> <p>HEAT SHOCK 225°C</p> <p>LOW TEMPERATURE-COLD BEND -55°C/4.00 inch mandrel</p> <p>VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute</p> <p><b>PHYSICAL</b></p> <p>INSULATION (DIELECTRIC)</p> <p>ELONGATION 50% (minimum)</p> <p>TENSILE STRENGTH 600 lbf/in<sup>2</sup> (minimum)</p> <p>JACKET (EACH)</p> <p>ELONGATION 200% (minimum)</p> <p>TENSILE STRENGTH 2000 lbf/in<sup>2</sup> (minimum)</p> <p>1<sup>st</sup> JACKET THICKNESS .012 inch (nominal)</p> <p>2<sup>nd</sup> JACKET THICKNESS .006 inch (minimum) .008 inch (nominal)</p> <p>SHIELD COVERAGE (EACH) 90% (minimum)</p>	
WEIGHT 21.1 lbs/1000 ft. (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	Rayfoam, Cheminax, Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.		



Raychem Wire & Cable  
 501 Oakside Avenue  
 Redwood City, California 94063-3800  
 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[10598-30-9X](#)