SPECIFICATION CONTROL DRAWING		CONTROL DRAWING	2524G0524
		9 STRANDS OF AWG 36, DUCTOR CABLE	Date: 03-24-04 Revision: B
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST IS		SSUE OF RAYCHEM SPECIFICATION	Page 1 of 2       1200.     Page 2 is for Internal use only.
CONSTRUCTION DETAILS		ELECTRICAL C	HARACTERISTICS
DIMENSIONS ARE NOMINAL VALUES IN I DESIGNATED.	CONDUCTORS AWG 24, 19 Strands of AWG 36, Silver-Coated High Strength Copper Alloy DIELECTRICS Rayfoam® H Colors - White/ Light Blue	CHARACTERISTIC IMPEDANCE CAPACITANCE - MUTUAL VELOCITY OF PROPAGATION ATTENUATION	125 ± 10 ohms, Method D at 10 MHz 11.0 pF/ft. (nominal) 78% (nominal) 2.0 dB/100ft (nominal) @ 10MHz
		ADDITIONAL RI	EQUIREMENTS
$\mathbf{Y}$		ELECTRICAL	
		CONDUCTOR RESISTANCE INSULATION RESISTANCE	26.5 ohms/1000 ft. (nominal) 10,000 megohms (minimum) for 1000 ft.
.160	WRAP	JACKET FLAWS SPARK TEST IMPULSE TEST VOLTAGE WITHSTAND (DIELECTRIC)	1.0 kV (rms) 6.0 kV, (peak) 1000 volts (rms) (minimum)
	Polyester-Aluminum (Aluminum facing out)	ENVIRONMENTAL	
.177	SHIELD — AWG 38 Tin-Coated Copper	FLAMMABILITY HEAT SHOCK LOW TEMPERATURE- COLD BEND VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	Method B 225°C -55°C/5.50 inch mandrel 1000 volts (rms), 1 minute
.195	<b>JACKET</b> — Modified ETFE (Ink Jet Markable)	PHYSICAL INSULATION (DIELECTRIC) (Prior to Cabling) ELONGATION TENSILE STRENGTH JACKET ELONGATION TENSILE STRENGTH JACKET THICKNESS SHIELD COVERAGE WRAP	50% (minimum) 600 lbf/in² (minimum) 150% (minimum) 5000 lbf/in² (minimum) .009 inch (nominal) 95% (nominal) .002 25% overlap (minimum)
Outer jacket color will be white (designated by a "-9"appended to the part number, e.g. 2524G0524-9) 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.		WEIGHT	22.9 lbs/1000 ft. (nominal)
Users should evaluate Tyco Electronics also reserves the rigi	the suitability of this product for their ap th to make changes in materials or proc	- oplication. Specifications are subject to chan essing, which do not affect compliance with a	ge without notice. any specification, without notification to Buyer.
Electronics Raychem	501 Oakside Avenue Redwood City, California 94063-3800 1-800-227-8816 Fax: 1-650-361-6297	OVE REF	S SPECIFICATION SHEET TAKES PRECEDENCE ER DOCUMENTS REFERENCED HEREIN. ERENCED DOCUMENTS SHALL BE OF THE ISSUE EFFECT ON DATE OF INVITATION FOR BID.

## **Mouser Electronics**

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TE Connectivity: 2524G0524-9