

PART NUMBER <u>1</u> /	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
44A117X-26-*	26	36	.006	.008	.141	.147	20.1
44A117X-24-*	24	36	.006	.008	.159	.166	26.6
44A117X-22-*	22	36	.007	.009	.182	.189	36.3
44A117X-20-*	20	36	.007	.009	.206	.214	49.6
44A117X-18-*	18	36	.007	.009	.236	.244	69.8
44A117X-16-*	16	36	.007	.009	.257	.267	85.9
44A117X-14-*	14	36	.008	.010	.310	.326	128.
44A117X-12-*	12	36	.008	.010	.367	.385	191.

TABLE II. CABLE PERFORMANCE DETAILS							
PART NUMBER 1/	BENDTESTING						
	MANDRELDI. (inch) (±		WEIGHT (lb) (± 3%)				
	IMMERSION, LIFE CYCLE AND ACCELERATED AGING	COLD BEND	IMMERSION, LIFE CYCLE AND ACCELERATED AGING	COLD BEND			
44A117X-26-*	6.00	6.00	.875	5.25			
44A117X-24-*	6.00	6.00	1.38	5.25			
44A117X-22-*	6.00	6.00	1.38	11.0			
44A117X-20-*	6.00	6.00	1.38	11.0			
44A117X-18-*	6.00	6.00	1.75	11.0			
44A117X-16-*	10.0	10.0	1.75	11.0			
44A117X-14-*	10.0	10.0	3.50	32.0			
44A117X-12-*	18.0	18.0	3.50	32.0			

NOTE: Nominal values are for information only. Nominal values are not requirements.

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. 1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, AN ALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "901/902..." MAY BE REPLACED BY "Axxx".) OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.

Page 1 of 2	
· •.9• · •· =	THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
	REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID

DIMENSIONS ARE IN INCHES AND, UNLESS OTHERWISE DESIGNATED, ARE NOMINAL

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THCO

CABLE RATINGS AND ADDITIONAL REQUIREMENTS **TEMPERATURE RATING: 150°C** Maximum continuous conductor temperature VOLTAGE RATING: 600 volts (rms) at sea level ACCELERATED AGING: 300 ± 3°C for 6 hours BLOCKING: $150 \pm 3^{\circ}$ C for 6 hours DIELECTRIC WITHSTAND: 2500 volts (rms), 60 Hz, 1 minute FLAMMABILITY: 30 seconds (maximum); 3 in. (maximum); no flaming of facial tissue IMMERSION: Diameter increase 5% (maximum); no cracking, no dielectric breakdown JACKET COLOR: White preferred JACKET CONCENTRICITY: 70% (minimum) JACKET ELONGATION AND TENSILE STRENGTH: Elongation, 200% (minimum) Tensile Strength, 4000 lbf/in² (minimum) JACKET FLAWS: Spark Test, 1.5 kV (rms) Impulse Dielectric Test, 6.0 kV (peak) LIFE CYCLE: 200 ± 3°C for 168 hours LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours SHIELD COVERAGE: 85% (minimum) VOLTAGE WITHSTAND TEST (Post Environmental): 1000 volts (rms), 60 Hz, 1 minute PARTNUMBER: The "X" in the part numbers on page 1 shall be replaced by the applicable conductor material designator as follows: 1 tin-coated copper 2 silver-coated copper 3 nickel-coated copper 4 silver-coated high strength copper alloy 6 nickel-coated high strength copper alloy The "*" in the part numbers on page 1 shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component

wire colors from the jacket color.

Components are not neccesarily shown in sequence of manufacturing.

1/ Example: AWG 20, tin-coated copper wires; black, brown, red, orange, yellow, green and blue component wires; white jacket: 44A1171-20-0/1/2/3/4/5/6-9

1/ see footer section on page 1