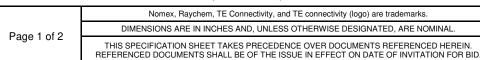


55A8039-2-*	2	665 x 30	.320	.340	.183	.405 ± .016	239.
55A8039-1-*	1	817 x 30	.360	.380	.149	.445 ± .016	290.
55A8039-0-*	0	1045 x 30	.395	.425	.116	.485 ± .016	377.
55A8039-00-*	00	1330 x 30	.440	.475	.091	.545 ± .016	487.
55A8039-000-*	000	1665 x 30	.500	.540	.071	.625 ± .022	603.
55A8039-0000-*	0000	2109 x 30	.565	.605	.056	.690 ± .022	740.
							-

TABLE II. PERFORMANCE DETAILS								
PART NUMBER <u>1</u> /	MANDREL DIAMETE (inch) (± 3%)	R	WEIGHT (lb) (± 3%)					
	IMMERSION, LIFE CYCLE, AND ACCELERATED AGING	COLD BEND	IMMERSION, LIFE CYCLE, AND ACCELERATED AGING	COLD BEND				
55A8039-8-*	3.00	4.00	4.00	6.00				
55A8039-6-*	4.00	5.00	4.00	10.0				
55A8039-4-*	5.00	6.00	4.00	10.0				
55A8039-2-*	6.00	8.00	6.00	15.0				
55A8039-1-*	8.00	10.0	6.00	15.0				
55A8039-0-*	8.00	10.0	6.00	15.0				
55A8039-00-*	10.0	12.0	8.00	20.0				
55A8039-000-*	10.0	12.0	8.00	20.0				
55A8039-0000-*	10.0	12.0	8.00	20.0				

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. TE Connectivity 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. OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.



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WIRE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C Maximum continuous conductor temperature VOLTAGE RATING: 600 volts (rms) at sea level ACCELERATED AGING (CROSSLINKING PROOF): 300 ± 3°C for 7 hours BLOCKING: 200 ± 3°C for 24 hours BRAID COLOR: Dark green preferred, munsell color limits 5Y 3/2 and 5B 2/0.5 CONCENTRICITY: 70% (minimum) FLAMMABILITY: Procedure 1, 3 seconds (maximum), 3 inches (maximum); no flaming of facial tissue HUMIDITY RESISTANCE: Insulation Resistance, 3000 megohms for 1000 ft. (minimum) IMMERSION: Diameter increase 5% (maximum); no cracking, no dielectric breakdown INSULATION ELONGATION AND TENSILE STRENGTH: Primary Insulation, Tensile Strength, 5000 lbf/in² (minimum) Total Insulation (primary insulation and jacket) Elongation, 75% (minimum) Tensile Strength, 5000 lbf/in² (minimum) **INSULATION FLAWS:** Primary Insulation, Spark Test, 1.5 kV (rms) at 60 Hz 4.2 kV (rms) at 3 kHz Impulse Dielectric Test, 6.0 kV (peak) Finished Wire, Spark Test, 5.7 kV (rms) at 3 kHz Impulse Dielectric Test, 8.0 kV (peak) INSULATION RESISTANCE: 3000 megohms for 1000 ft. (minimum) INSULATION THICKNESS: 0.003 in. (minimum), primary insulation 0.004 in. (minimum), outer jacket 0.009 in. (minimum), total Insulation JACKET COLOR: White LIFE CYCLE: 200 ± 3°C for 500 hours LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours SHRINKAGE: 200 ± 3°C for 6 hours, 0.125 in. (maximum) in 12 inches SMOKE TEST: 200 ± 2°C, no visible smoke SURFACE RESISTANCE: 500 megohms-in. (minimum), both readings THERMAL SHOCK RESISTANCE: 150 ± 3°C. 0.100 in. (maximum), AWG 8 0.125 in. (maximum), AWG 6-0000 VOLTAGE WITHSTAND (Post Environmental): 2500 volts (rms), 60 Hz WICKING: 2.25 in. (maximum) WRAP TEST: 200 ± 3°C for 2 hours 1/ PART NUMBER: The "*" in the part numbers in Tables I and II shall be replaced by a color code designator. 5D shall be used to designate dark green. Example: AWG 8, dark green braid: 55A8039-8-5D AWG 8, white braid: 55A8039-8-9

1/ See footer section on page 1