

	82A0112- 0-*	8.00			4.00	
	Users should evaluate	the suitability of this product for their applicatio ht to make changes in materials or processing, v	n. Specifica	tions are subject to chang	e without notice	
Ele	ctronics also reserves the rig	ht to make changes in materials or processing, v	vhich do not	affect compliance with an	y specification, v	without

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 DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL

📶 Wire & Cable TUCO Electronics

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID

Тусо

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notification to Buyer

tyco Electronics

WIRE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C Maximum continuous conductor temperature VOLTAGE RATING: 600 volts (rms) at sea level COLOR: White preferred CONCENTRICITY: 70% (minimum) CROSSLINKING PROOF TEST: 300 ± 3°C, 30 minutes for AWG 28 - 14. 1 hour for AWG 12 - 0 IDENTIFICATION AND COLOR STRIPING DURABILITY: 125 cycles (250 strokes) (minimum), 500 g weight INSULATION ELONGATION AND TENSILE STRENGTH: AWG 28-26, Elongation, 75% (minimum) Tensile Strength, 3000 lbf/in² (minimum) AWG 24 - 10. Elongation, 75% (minimum) Tensile Strength, 3500 lbf/in² (minimum) AWG 8 - 0 Elongation 125% (minimum) Tensile Strength, 3000 lbf/in² (minimum) **INSULATION FLAWS:** Spark Test: 4.2 kV (rms) at 3 kHz Impulse Dielectric Test, 6.0 kV (peak) INSULATION THICKNESS: AWG 28-16, .004 in. (minimum) AWG 14-10 .006 in. (minimum) AWG 8-0 .012 in. (minimum) PRODUCT IDENTIFICATION: Black ink only for AWG 28 - 10, Black ink preferred for AWG 8 & larger SECANT MODULUS: AWG 28-10, 5.0 x 10⁴ lbf/in² (maximum), 4.0×10^4 lbf/in² (maximum), AWG 8-0, 2% strain, 2 inch jaw separation, 0.2 inch/minute, procedural reference ASTM D 882 SHRINKAGE: 150 ± 3°C for 6 hours, AWG 28 - 10, 0.13 inch (maximum) in 12 inches AWG 8- 0, 0.25 inch (maximum) in 12 inches VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL): 2500 volts (rms), 60 Hz

1/ PART NUMBER:

The "*" in the part numbers on page 1 shall be replaced by color code designators. Example: AWG 22, white: 82A0112-22-9 AWG 22, white with black stripe: 82A0112-22-90

1/ See footer section on page 1

Mouser Electronics

Authorized Distributor

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

TE Connectivity: 82A0112-22-9