



SCD

82A0112

TABLE II. PERFORMANCE DETAILS		
PART NUMBER <u>1</u> /	BEND TESTING	
	MANDREL DIAMETER (inch) (± 3%)	WEIGHT (lb) (± 3%)
	CROSSLINKING PROOF TEST	CROSSLINKING PROOF TEST
82A0112-28-*	.250	.125
82A0112-26-*	.375	.125
82A0112-24-*	.375	.250
82A0112-22-*	.500	.375
82A0112-20-*	.500	.500
82A0112-18-*	.500	.500
82A0112-16-*	.750	.750
82A0112-14-*	1.00	1.00
82A0112-12-*	1.50	1.50
82A0112-10-*	2.00	1.50
82A0112- 8-*	3.00	2.00
82A0112- 6-*	3.00	2.00
82A0112- 4-*	4.00	2.50
82A0112- 2-*	6.00	3.00
82A0112- 0-*	8.00	4.00

WIRE RATINS AND ADDITIONAL REQUIRMENTS

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: 1.5 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) SECANT MODULUS: (Test per ASTM D882) AWG 28-10, 5.0 x 10⁴ lbf/in² (maximum), AWG 8-0, 4.0 x 10⁴ lbf/in² (maximum), 2% strain, 2 inch jaw separation, 0.2 inch/minute, 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 (Post Environmental): 2500 volts (rms), 60 Hz

1/ PART NUMBER:

The "*" in the part numbers in Tables I and II 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