

			TABLE I. CON	ISTRUCTION D	ETAILS		
			DIAMETER OF		FINISHED WIRE		
PART NUMBER 1/	WRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	STRA CONDI (ir		MAXIMUM RESISTANCE AT 20°C	DIAMETER (in.)	MAXIMUM WEIGHT
			MINIMUM	MAXIMUM	(ohms/1000 ft.)		(lbs/1000 ft.)
55A0114-30-*	30	7 x 38	.011	.012	117.4	.024 ± .002	.66
55A0114-28-*	28	7 x 36	.014	.016	74.4	.027 ± .002	.91
55A0114-26-*	26	19 x 38	.018	.020	44.8	.032 ± .002	1.4
55A0114-24-*	24	19 x 36	.023	.025	28.4	.037 ± .002	2.0
55A0114-22-*	22	19 x 34	.029	.031	17.5	.043 ± .002	2.9
55A0114-20-*	20	19 x 32	.037	.039	10.7	.050 ± .002	4.4
55A0114-18-*	18	19 x 30	.046	.050	6.8	.060 ± .002	6.5
55A0114-16-*	16	19 x 29	.052	.057	5.3	.068 ± .002	8.3

PART NUMBER 1/	BEND TESTING						
	MANDREL D (inch) (:		WEIGHT (Ib) (± 3%)				
	IMMERSION, LIFE CYCLE AND ACCELERATEDAGING	COLD BEND	IMMERSION, LIFE CYCLE AND ACCELERATED AGING	COLD BEND			
55A0114-30-*	.250	.375	.125	.500			
55A0114-28-*	.250	.375	.125	.500			
55A0114-26-*	.375	.500	.125	.500			
55A0114-24-*	.375	.500	.250	1.00			
55A0114-22-*	.500	.750	.375	1.00			
55A0114-20-*	.500	.750	.500	1.00			
55A0114-18-*	.500	1.00	.500	1.00			
55A0114-16-*	.750	1.00	.750	1.00			

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

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.



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



WIRE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C, Maximum continuous conductor temperature VOLTAGE RATING: 600 volts (rms) at sea level ACCELERATED AGING (CROSSLINKING PROOF): 300 ± 3°C for 7 hours BLOCKING: 230 ± 3°C for 24 hours COLOR: white preferred CONCENTRICITY: 70% (minimum) FLAMMABILITY: Procedure 1, 3 seconds (maximum); 3 in. (maximum); no flaming of facial tissue. HUMIDITY RESISTANCE: Insulation Resistance, 5000 megohms for 1000 ft. (minimum) IDENTIFICATION, COLOR STRIPING AND BAND DURABILITY: 125 cycles (250 strokes) (minimum), 500 g weight IMMERSION: Diameter increase 5% (maximum); no cracking, no dielectric breakdown INSULATION ELONGATION AND TENSILE STRENGTH: Elongation, 75% (minimum) Tensile strength, 5000 lbf/in² (minimum) **INSULATION FLAWS:** Spark Test, 5.7 kV (rms) at 3 kHz Impulse DielectricTest, 8.0 kV (peak); INSULATION RESISTANCE: 5000 megohms for 1000 ft (minimum) INSULATION THICKNESS: 0.005 in. (minimum) LIFE CYCLE: $230 \pm 3^{\circ}$ C for 500 hours LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours SHRINKAGE: 230 ± 3°C, for 6 hours, 0.125 in. (maximum) in 12 in. SOLDERABILITY: Per MIL-STD-202, Method 208, without steam aging SMOKE TEST: 250 ± 5°C. No visible smoke SURFACE RESISTANCE: 500 Megohms-in. (minimum), both readings THERMAL SHOCK RESISTANCE: 200 ± 3°C, 0.060 in. (maximum) VOLTAGE WITHSTAND TEST (Post Environmental): 2500 volts (rms), 60 Hz WRAP TEST: 313 ± 3°C for 2 hours

PART NUMBER:

The "*" in the part numbers on page 1 shall be replaced by a color code designator. 1/Example: AWG 22, white: 55A0114-22-9 AWG 22, white with black stripe: 55A0114-22-90

1/ See footer section on page 1

Mouser Electronics

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TE Connectivity: 55A0114-24-2