

SPECIFICATION CONTROL DRAWING				55A7113	
TITLE WIRE, RADIATION-CROSSLINKED, MODIFIED ETFE-INSULATED, NORMAL WEIGHT, 600 VOLT				Date 6-10-11	Revision R
This specification sheet forms a part of the latest issue of Raychem Specification 55PC.					

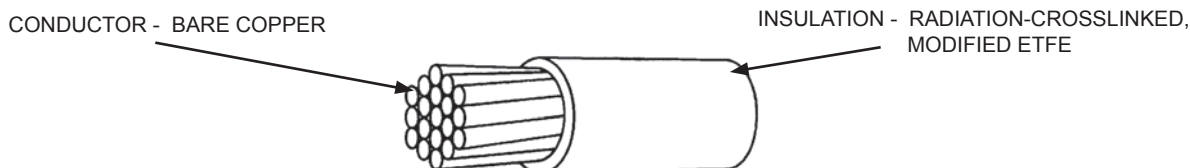


TABLE I. CONSTRUCTION DETAILS							
PART NUMBER <u>1/</u>	WIRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	DIAMETER OF STRADED CONDUCTOR (in.)		FINISHED WIRE		
			MINIMUM	MAXIMUM	MAXIMUM RESISTANCE AT 20°C (ohms/1000 ft)	DIAMETER (in.)	MAXIMUM WEIGHT (lbs/1000 ft.)
55A7113-22-*	22	7 x 30	.029	.030	16.0	.050 ± .003	3.2
55A7113-20-*	20	7 x 28	.037	.038	10.0	.058 ± .003	4.8
55A7113-18-*	18	19 x 30	.045	.048	6.58	.066 ± .003	6.7
55A7113-16-*	16	19 x 29	.052	.057	4.61	.075 ± .003	9.3
55A7113-14-*	14	19 x 27	.071	.075	2.96	.092 ± .003	14.5
55A7113-12-*	12	37 x 28	.088	.092	1.73	.110 ± .003	23.7
55A7113-10-*	10	37 x 25	.111	.115	1.15	.133 ± .004	36.5

TABLE II. PERFORMANCE DETAILS			
PART NUMBER <u>1/</u>	BEND TESTING		
	MANDREL DIAMETER (inch) (± 3%)	WEIGHT (lb) (± 3%)	
	CROSSLINK VERIFICATION	CROSSLINK VERIFICATION	
55A7113-22-*	.500	2.00	
55A7113-20-*	.500	3.00	
55A7113-18-*	.750	4.00	
55A7113-16-*	1.00	4.00	
55A7113-14-*	1.00	6.00	
55A7113-12-*	1.50	6.00	
55A7113-10-*	2.00	6.00	

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics Corporation 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.			
Page 1 of 2	Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.		 Raychem Wire & Cable 501 Oakside Avenue Redwood City, CA 94063-3800 Phone: 1-800-227-8816 Fax: 1-650-361-6297
	DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.		
	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 at 3000 hours (minimum)

VOLTAGE RATING: 600 volts (rms) at sea level

COLOR: White preferred

CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour

IDENTIFICATION AND COLOR STRIPING DURABILITY:

125 cycles (250 strokes) (minimum), 500 g weight

INSULATION ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensile Strength, 5000 lbf/in² (minimum)

INSULATION FLAWS:

Spark Test, 3.0 kV (rms)

Impulse Dielectric Test, 8.0 kV (peak)

INSULATION THICKNESS: .008 in. (minimum), .010 in. (nominal)

SHRINKAGE: 230 ± 3°C for 1 hour, 0.125 in. (maximum) in 12 inches

VOLTAGE WITHSTAND (Post Environmental): 2500 volts (rms)

PART NUMBER:

The “*” in the part numbers on page 1 shall be replaced by a color code designator.

1/ Example: AWG 16, white, 55A7113-16-9

AWG 16, white with a black stripe: 55A7113-16-90

1/ See footer section on page 1