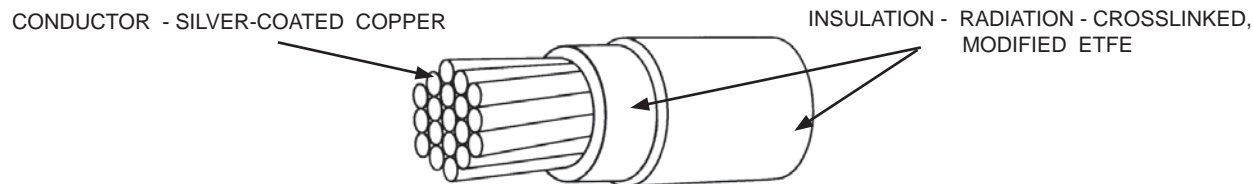


<div>TITLE</div> <div><b>SPECIFICATION CONTROL DRAWING</b></div>	<div>55PC0212</div>	
<div>WIRE, RADIATION-CROSSLINKED, MODIFIED ETFE-INSULATED, MEDIUM WEIGHT, GENERAL PURPOSE, 600 VOLT</div>	<div>Date</div> <div>8-6-13</div>	<div>Revision</div> <div>D</div>
<div>This specification sheet forms a part of the latest issue of Raychem Specification 55PC.</div>		



CONSTRUCTION DETAILS											
PART NUMBER 1/	WIRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	CONDUCTOR DIAMETER (in.)			FINISHED WIRE					
						MAXIMUM RESISTANCE AT 20°C (ohms/1000 ft.)	DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT		LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC0212-26-*	26	19 x 38	.0175	.0183	.0191	38.4	.0328	.0345	.0362	1.38	1.52
55PC0212-24-*	24	19 x 36	.0225	.0233	.0241	24.3	.0378	.0395	.0412	1.98	2.13
55PC0212-22-*	22	19 x 34	.0285	.0293	.0301	15.1	.0438	.0455	.0472	2.90	3.06
55PC0212-20-*	20	19 x 32	.0365	.0375	.0385	9.19	.0523	.0540	.0557	4.38	4.57
55PC0212-18-*	18	19 x 30	.0452	.0464	.0476	5.79	.0616	.0635	.0654	6.59	6.90
55PC0212-16-*	16	19 x 29	.0514	.0527	.0538	4.52	.0690	.0710	.0730	8.37	8.70
55PC0212-14-*	14	19 x 27	.0644	.0659	.0674	2.88	.0838	.0860	.0882	12.88	13.33
55PC0212-12-*	12	37 x 28	.0825	.0845	.0865	1.90	.1020	.1047	.1074	19.73	20.30
55PC0212-10-*	10	37 x 26	.1050	.1070	.1090	1.19	.1252	.1290	.1328	31.12	32.13
55PC0212-8-*	8	133 x 29	.158	.163	.169	.658	.188	.196	.203	56.8	59.9
55PC0212-6-*	6	133 x 27	.198	.205	.212	.418	.233	.242	.251	89.7	94.7
55PC0212-4-*	4	133 x 25	.250	.260	.268	.264	.300	.311	.322	146.	154.
55PC0212-2-*	2	665 x 30	.320	.330	.340	.170	.370	.383	.397	227.	240.
55PC0212-1-*	1	817 x 30	.360	.370	.380	.139	.410	.424	.438	278.	291.
55PC0212-0-*	0	1045 x 30	.395	.415	.425	.108	.449	.466	.483	343.	366.

<div>Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.</div> <div>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.</div>		
<div>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.</div>		
<div>Page 1 of 2</div>	<div>Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.</div>	
	<div>DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.</div>	
	<div>THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.</div> <div>REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.</div>	
		<div> <div> <div></div> <div>TE</div> <div>connectivity</div> </div> <div> <div>Raychem Wire &amp; Cable</div> <div>501 Oakside Avenue</div> <div>Redwood City, CA 94063-3800</div> <div>Phone: 1-800-227-8816</div> <div>Fax: 1-650-361-6297</div> </div> </div>



# SPECIFICATION CONTROL DRAWING

Page

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Revision

D

SCD

**55PC0212**

## WIRE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

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:

Total Insulation,

Elongation, 50% (minimum)

Tensile Strength, 5000 lbf/in<sup>2</sup> (minimum)

INSULATION FLAWS:

Spark Test, 3.0 kV (rms)

Impulse Dielectric Test, 8.0 kV (peak)

INSULATION THICKNESS: .008 in. (nominal) total insulation

SHRINKAGE: 230 ± 3°C for 1 hour, 0.125 inch (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 22, white: 55PC0212-22-9

AWG 22, white with a black stripe: 55PC0212-22-90

1/ See footer section on page 1