TITLE	55PC0212		
WIRE, RADIATIO	DN-CROSSLINKED, MODIFIED ETFE-INSULATED, MEDIUM WEIGHT, GENERAL PURPOSE, 600 VOLT	Date 8-6-13	Revision D
	This specification sheet forms a part of the latest issue of Raychem Specification 55PC.		

CONDUCTOR - SILVER-COATED COPPER INSULATION - RADIATION - CROSSLINKED, MODIFIED ETFE

CONSTRUCTION DETAILS											
		CONDUCTOR STRANDING (number x AWG)	CONDUCTOR DIAMETER (in.)		FINISHED WIRE						
NUMBER	WIRE SIZE (AWG)				MAXIMUM	DIAMETER (in.)			WEIGHT (lbs/1000 ft.)		
			LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	RESISTANCE AT 20°C (ohms/1000 ft.)	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.

	Users should evaluate the suitability of this product for their application. Specifications are subject to change without notion. Tyco Electronics Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification.		
	1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. OTHER CODES AND SUFF ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURC		
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Page 1 of 2	DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.	-TE	501 Oakside Avenue Redwood City, CA 94063-3800
	THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.	connectivity	Phone: 1-800-227-8816 Fax: 1-650-361-6297



SPECIFICATION CONTROL DRAWING

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Revision SCD

D

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/in² (minimum)

INSULATION FLAWS:

Spark Test, 3.0 kV (rms)

Impulse Dielectric Test, 8.0 kV (peak)

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

SHRINKAGE: $230 \pm 3^{\circ}$ 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