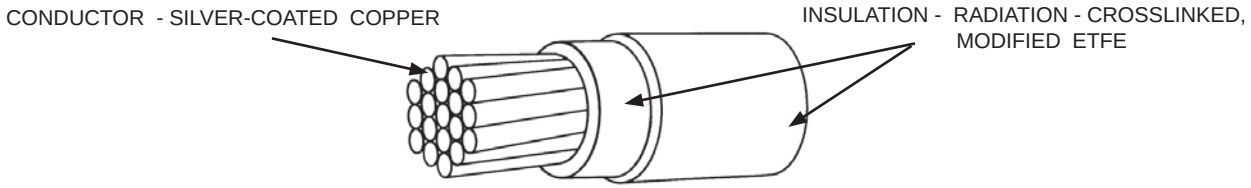
TITLE	SPECIFICATION CONTROL DRAWING	55PC0212
	WIRE, RADIATION-CROSSLINKED, MODIFIED ETFE-INSULATED, MEDIUM WEIGHT, GENERAL PURPOSE, 600 VOLT	Date 8-6-13 / Revision D
	This specification sheet forms a part of the latest issue of Raychem Specification 55PC.	



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.

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.

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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.

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501 Oakside Avenue
Redwood City, CA 94063-3800
Phone: 1-800-227-8816
Fax: 1-650-361-6297

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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 ± 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

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1743455-2 1969656-1 1MM-HU-D10-VS-00-F-TBP 36161 936348-1 CRGCQ0805F150R 2-292161-3 2-520103-2 35402K7FT 917790-2 1-794222-0 2-32562-2 2377783-2 292230-8 3-1393225-0 SMW73R0JT 1393431-1 1-1743284-2 650075-000 CRGCQ2010J3K3 141991-2 281990-2 352116RFT 2834055-1 3430B2F51RTDF SMV3W5M6JT 1488167-1 2-520128-2 640174-1 917696-1