



THE DATASHEET OF
55PC0212-14-9



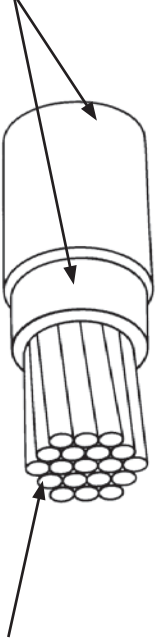
TITLE

SPECIFICATION CONTROL DRAWING

WIRE, RADIATION-CROSSLINKED, MODIFIED ETFE-INSULATED, MEDIUM WEIGHT, GENERAL PURPOSE, 600 VOLT
 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

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

Tyco Electronics Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification. Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.

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.



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: $300 \pm 3^{\circ}\text{C}$ 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: $230 \pm 3^{\circ}\text{C}$ 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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