



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

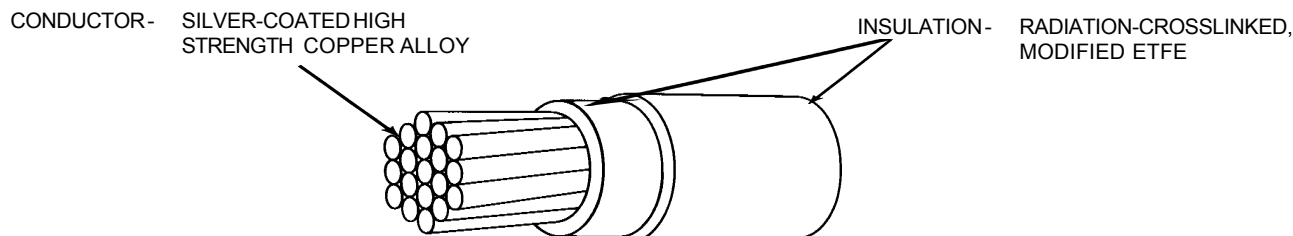


SPECIFICATION CONTROL DRAWING

55PC0214

TITLE	WIRE, RADIATION-CROSSLINKED, MODIFIED, ETFE-INSULATED, GENERAL PURPOSE, LIGHT AIRFRAME	Date	07-09-04	Revision	B
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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					
			LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	MAXIMUM RESISTANCE AT 20°C (ohms/1000 ft.)	DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
							LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC0214-26-*	26	19 x 38	.0175	.0183	.0191	44.8	.0328	.0345	.0362	1.38	1.52
55PC0214-24-*	24	19 x 36	.0225	.0233	.0241	28.4	.0378	.0395	.0412	1.98	2.13
55PC0214-22-*	22	19 x 34	.0285	.0293	.0301	17.5	.0438	.0455	.0472	2.90	3.06
55PC0214-20-*	20	19 x 32	.0365	.0375	.0385	10.7	.0523	.0540	.0557	4.38	4.57
55PC0214-18-*	18	19 x 30	.0452	.0464	.0476	6.8	.0616	.0635	.0654	6.59	6.90
55PC0214-16-*	16	19 x 29	.0514	.0527	.0538	5.3	.0690	.0710	.0730	8.37	8.70

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 in. (maximum) in 12 in.

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL): 2500 volts (rms)

PART NUMBER:

The "*" in the part numbers above shall be replaced by color code designators.

1/ Example: AWG 22, white: 55PC0214-22-9

AWG 22, white with black stripe: 55PC0214-22-90

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics 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.

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.

tyco
Electronics

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