SPECIFICATION CONTROL DRAWING

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

55PC0213

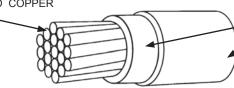
Date 2-1-10 F

This specification sheet forms a part of the latest issue of Raychem Specification 55PC.

CONDUCTOR - NICKEL-COATED COPPER

TITLE

INSULATION - RADIATION - CROSSLINKED,



 MODIFIED	ETFE	

				CC	NSTRUCTION	N DETAILS					
PART WIRE NUMBER SIZE <u>1</u> / (AWG)			CONDUCTOR DIAMETER		FINISHED WIRE						
	CONDUCTOR STRANDING	(in.)		MAXIMUM RESISTANCE	DIAMETER (in.)		WEIGHT (lbs/1000 ft.)				
	-	(number x AWG)	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	AT 20°C (ohms/1000 ft.)	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC0213-26-*	26	19 x 38	.0175	.0183	.0191	42.2	.0328	.0345	.0362	1.38	1.52
55PC0213-24-*	24	19 x 36	.0225	.0233	.0241	25.9	.0378	.0395	.0412	1.98	2.13
55PC0213-22-*	22	19 x 34	.0285	.0293	.0301	16.0	.0438	.0455	.0472	2.90	3.06
55PC0213-20-*	20	19 x 32	.0365	.0375	.0385	9.77	.0523	.0540	.0557	4.38	4.57
55PC0213-18-*	18	19 x 30	.0452	.0464	.0476	6.10	.0616	.0635	.0654	6.59	6.90
55PC0213-16-*	16	19 x 29	.0514	.0527	.0538	4.76	.0690	.0710	.0730	8.37	8.70
55PC0213-14-*	14	19 x 27	.0644	.0659	.0674	3.00	.0838	.0860	.0882	12.88	13.33
55PC0213-12-*	12	37 x 28	.0825	.0845	.0865	1.98	.1020	.1047	.1074	19.73	20.30
55PC0213-10-*	10	37 x 26	.1050	.1070	.1090	1.24	.1252	.1290	.1328	31.12	32.13
55PC0213-8-*	8	133 x 29	.158	.163	.169	.694	.188	.196	.203	56.8	59.9
55PC0213-6-*	6	133 x 27	.198	.205	.212	.436	.233	.242	.251	89.7	94.7
55PC0213-4-*	4	133 x 25	.250	.260	.268	.275	.300	.311	.322	146.	154.
55PC0213-2-*	2	665 x 30	.320	.330	.340	.177	.370	.383	.397	227.	240.
55PC0213-1-*	1	817 x 30	.360	.370	.380	.144	.410	.424	.438	278.	291.
55PC0213-0-*	0	1045 x 30	.395	.415	.425	.113	.449	.466	.483	343.	366.
55PC0213-00-*	00	1330 x 30	.440	.462	.475	.089	.505	.525	.545	450.	481.

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.						
Page 1 of 2	The TE logo, Tyco Electronics and Raychem are trademarks.		Raychem Wire & Cable 501 Oakside Avenue Redwood City, CA 94063-3800 Phone: 1-800-227-8816 Fax: 1-650-361-6297			
	DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.	≅ _{Tyco}				
	THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.	Electronics				

© 2010 Tyco Electronics Corporation. All rights reserved.

F

SCD

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 TEST (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: 55PC0213-22-9 AWG 22, white with black stripe: 55PC0213-22-90

1/ See footer section on page 1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

<u>55PC0213-20-9CS2710</u> <u>55PC0213-00-9</u> <u>55PC0213-8-9</u> <u>55PC0213-2-9CS2710</u> <u>55PC0213-18-9</u> <u>55PC0213-18-9</u> <u>55PC0213-12-9CS2710</u> <u>55PC0213-20-9CS2861</u> <u>55PC0213-20-9</u> <u>55PC0213-10-9</u>