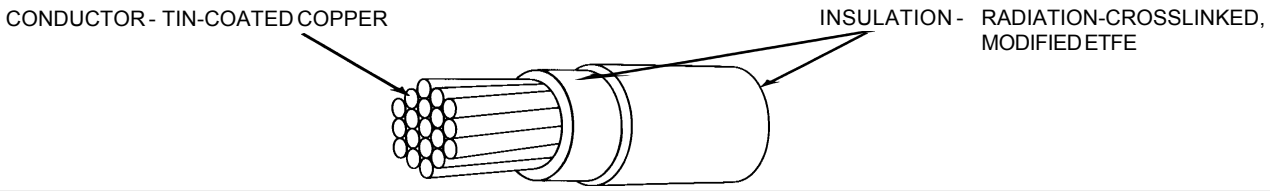
SPECIFICATION CONTROL DRAWING

55PC0211

TITLE	Date	Revision
WIRE, RADIATION-CROSSLINKED, MODIFIED, ETFE-INSULATED, GENERAL PURPOSE, LIGHT AIRFRAME	07-08-04	H

This specification sheet forms a part of the latest issue of Raychem Specifiction 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
55PC0211-26-*	26	19 x 38	.0175	.0183	.0191	41.3	.0328	.0345	.0362	1.38	1.52
55PC0211-24-*	24	19 x 36	.0225	.0233	.0241	26.2	.0378	.0395	.0412	1.98	2.13
55PC0211-22-*	22	19 x 34	.0285	.0293	.0301	16.2	.0438	.0455	.0472	2.90	3.06
55PC0211-20-*	20	19 x 32	.0365	.0375	.0385	9.88	.0523	.0540	.0557	4.38	4.57
55PC0211-18-*	18	19 x 30	.0452	.0464	.0476	6.23	.0616	.0635	.0654	6.59	6.90
55PC0211-16-*	16	19 x 29	.0514	.0527	.0538	4.81	.0690	.0710	.0730	8.37	8.70
55PC0211-14-*	14	19 x 27	.0644	.0659	.0674	3.06	.0838	.0860	.0882	12.88	13.33
55PC0211-12-*	12	37 x 28	.0825	.0845	.0865	2.02	.1020	.1047	.1074	19.73	20.30
55PC0211-10-*	10	37 x 26	.1050	.1070	.1090	1.26	.1252	.1290	.1328	31.12	32.13
55PC0211- 8-*	8	133 x 29	.158	.163	.169	.701	.188	.196	.203	56.8	59.9
55PC0211- 6-*	6	133 x 27	.198	.205	.212	.445	.233	.242	.251	89.7	94.7
55PC0211- 4-*	4	133 x 25	.250	.260	.268	.280	.300	.311	.322	145.	154.
55PC0211- 2-*	2	665 x 30	.320	.330	.340	.183	.370	.383	.397	227.	240.
55PC0211- 1-*	1	817 x 30	.360	.370	.380	.152	.410	.424	.438	278.	291.
55PC0211- 0-*	0	1045 x 30	.395	.415	.425	.116	.449	.466	.483	343.	366.
55PC0211-00-*	00	1330 x 30	.440	.462	.475	.091	.505	.525	.545	450.	481.

WIRE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°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: 55PC0211-22-9
AWG 22, white with black stripe: 55PC0211-22-90

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