SPECIFICATION CONTROL DRAWING

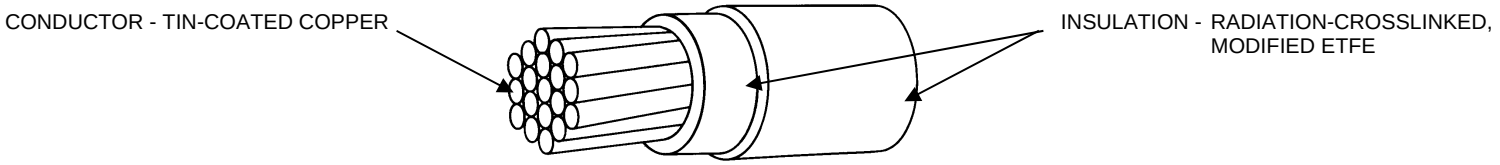
SCD **55PC0811**

Title: WIRE, RADIATION-CROSSLINKED, MODIFIED ETFE-INSULATED, NORMAL WEIGHT, GENERAL PURPOSE, 600 VOLT

Date: 6-21-17

Revision: G

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)	DIAMETER OF STRANDED CONDUCTOR (inch)			FINISHED WIRE					
						MAXIMUM RESISTANCE AT 20°C (ohms/1000 ft.)	DIAMETER (inch)			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
55PC0811-26-*	26	19 x 38	.0175	.0183	.0191	41.3	.0366	.0385	.0404	1.55	1.70
55PC0811-24-*	24	19 x 36	.0225	.0233	.0241	26.2	.0416	.0435	.0454	2.18	2.34
55PC0811-22-*	22	19 x 34	.0285	.0293	.0301	16.2	.0476	.0495	.0514	3.12	3.30
55PC0811-20-*	20	19 x 32	.0365	.0375	.0385	9.88	.0561	.0580	.0599	4.64	4.85
55PC0811-18-*	18	19 x 30	.0452	.0464	.0476	6.23	.0659	.0680	.0701	6.94	7.27
55PC0811-16-*	16	19 x 29	.0514	.0527	.0538	4.81	.0737	.0760	.0783	8.80	9.17
55PC0811-14-*	14	19 x 27	.0644	.0659	.0674	3.06	.0896	.0920	.0944	13.50	13.99
55PC0811-12-*	12	37 x 28	.0825	.0845	.0865	2.02	.1076	.1105	.1134	20.45	21.08
55PC0811-10-*	10	37 x 26	.1050	.1070	.1090	1.26	.1290	.1330	.1370	31.73	32.78
55PC0811-8-*	8	133 x 29	.158	.163	.169	.701	.188	.196	.203	56.8	59.9
55PC0811-6-*	6	133 x 27	.198	.205	.212	.445	.233	.242	.251	89.7	94.7
55PC0811-4-*	4	133 x 25	.250	.260	.268	.280	.300	.311	.322	146.	154.
55PC0811-2-*	2	665 x 30	.320	.330	.340	.183	.370	.383	.397	227.	240.
55PC0811-0-*	0	1045 x 30	.395	.415	.425	.116	.449	.466	.483	343.	366.
55PC0811-00-*	00	1330 x 30	.440	.462	.475	.091	.505	.525	.545	450.	481.
55PC0811-000-*	000	1665 x 30	.515	.528	.540	.071	.568	.590	.612	559.	599.
55PC0811-0000-*	0000	2109 x 30	.565	.595	.605	.056	.646	.670	.694	684.	735.

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.
TE Connectivity 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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WIRE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms) at sea level
COLOR: White preferred
CROSSLINKED 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/in^2 (minimum)
INSULATION FLAWS:
Spark Test, 3.0 kV (rms)
Impulse Dielectric Test, 8.0 kV (peak)
INSULATION THICKNESS: .010 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)

1/ PART NUMBER:
The "*" in the part numbers on page 1 shall be replaced by a color code designator.
Example: AWG 22, white: 55PC0811-22-9
AWG 22, white with a black stripe: 55PC0811-22-90

1/ See footer section on page 1