

# SPECIFICATION CONTROL DRAWING

**55PC0211**

WIRE, RADIATION-CROSSLINKED, MODIFIED, ETFE-INSULATED,  
GENERAL PURPOSE, LIGHT AIRFRAME

Date

07-08-04

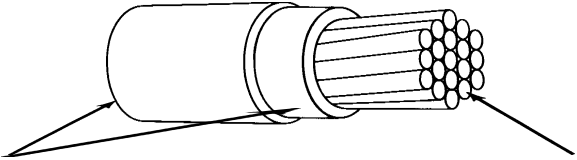
Revision

H

TITLE

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

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.)	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	DIA METER (in.)	WEIGHT (lbs/1000 ft.)	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
			UPPER SPEC LIMIT	TARGET VALUE	LOWER SPEC LIMIT									
55PC0211-26*	19	x 38	.0175	.0183	.0191	41.3	.0328	.0345	.0362	1.38	1.52	.0362	.0378	.0395
55PC0211-24*	19	x 36	.0225	.0233	.0241	26.2	.0378	.0395	.0412	1.98	2.13	.0412	.0438	.0455
55PC0211-22*	19	x 34	.0285	.0293	.0301	16.2	.0438	.0455	.0472	2.90	3.06	.0472	.0500	.0523
55PC0211-20*	19	x 32	.0365	.0375	.0385	9.88	.0540	.0557	.0574	4.38	4.57	.0574	.0600	.0623
55PC0211-18*	19	x 30	.0452	.0464	.0476	6.23	.0616	.0635	.0654	6.59	6.90	.0654	.0680	.0710
55PC0211-16*	19	x 29	.0514	.0527	.0538	4.81	.0690	.0710	.0730	8.37	8.70	.0730	.0760	.0790
55PC0211-14*	19	x 27	.0644	.0659	.0674	3.06	.0838	.0860	.0882	12.88	13.33	.0882	.0910	.0940
55PC0211-12*	37	x 28	.0825	.0845	.0865	2.02	.1020	.1047	.1074	19.73	20.30	.1074	.1100	.1130
55PC0211-10*	37	x 26	.1050	.1070	.1090	1.26	.1252	.1290	.1328	31.12	32.13	.1328	.1360	.1390
55PC0211-8*	133	x 29	.158	.163	.169	.701	.188	.196	.203	56.8	59.9	.203	.210	.217
55PC0211-6*	133	x 27	.198	.205	.212	.445	.233	.242	.251	89.7	94.7	.251	.260	.269
55PC0211-4*	133	x 25	.250	.260	.268	.280	.300	.311	.322	145.	154.	.322	.333	.344
55PC0211-2*	665	x 30	.320	.330	.340	.183	.370	.383	.397	227.	240.	.397	.410	.424
55PC0211-1*	817	x 30	.360	.370	.380	.152	.410	.424	.438	278.	291.	.438	.452	.466
55PC0211-0*	1045	x 30	.395	.415	.425	.116	.449	.466	.483	343.	366.	.483	.500	.517
55PC0211-00*	1330	x 30	.440	.462	.475	.091	.505	.525	.545	450.	481.	.545	.565	.585

## 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  
 Spark Test, 3.0 kV (rms)  
 Impulse Dielectric Test, 8.0 kV (peak)  
 INSULATION THICKNESS: .008 in. (nominal) total insulation  
 Tensile Strength, 5000 lbf/in<sup>2</sup> (minimum)  
 INSULATION FLAWS:  
 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  
 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

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.  
 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-881. 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.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Hook-up Wire](#) category:*

*Click to view products by [TE Connectivity](#) manufacturer:*

Other Similar products are found below :

[002333-000](#) [M81044/12-22-6](#) [M81044/9-8-9](#) [743094-001](#) [81044/12-18-9CS3209](#) [8538-009-1000](#) [ATFC0311-20-5D](#) [EF5675-000](#)  
[BFWUL3239-24-PINK](#) [22759/34-16-9CS2621](#) [22759/42-24-9CS2620](#) [933205-000](#) [284711-000](#) [961473-000](#) [30802-009-250](#) [99M0111-20-2](#)  
[A00594-000](#) [190571-000](#) [22759/41-12-9CS2620](#) [22759/41-16-9CS2620](#) [22759/43-10-9CS2873](#) [265925-000](#) [CM9524-000](#) [31510-010-250](#)  
[31514-009-500](#) [32412-009-500](#) [34401-010-250](#) [34402-010-500](#) [M81044/9-4-9](#) [391441-BK007](#) [400R0111-10-9](#) [431660-000](#) [ATFC0311-20-0](#)  
[ATFC0311-20-3](#) [44/7024-26-9-9](#) [44A0112-22-9CS3184](#) [456157-000](#) [BFW-UL3239-24-WHITE](#) [55/0312-26-6L-CS2570](#) [55A0811-12-9](#)  
[55A6087-20-9-9-9](#) [55A6315-22-9-9CS2632](#) [55A7400-22-9/96-9CS2275](#) [55A9002-30-5](#) [55PC0211-20-5CS2502](#) [55PC0811-6-9CS2637](#)  
[55PC1211-22-9-9CS3278](#) [C07683-000](#) [32820-009-5000](#) [34020-008-2000](#)