

# SPECIFICATION CONTROL DRAWING

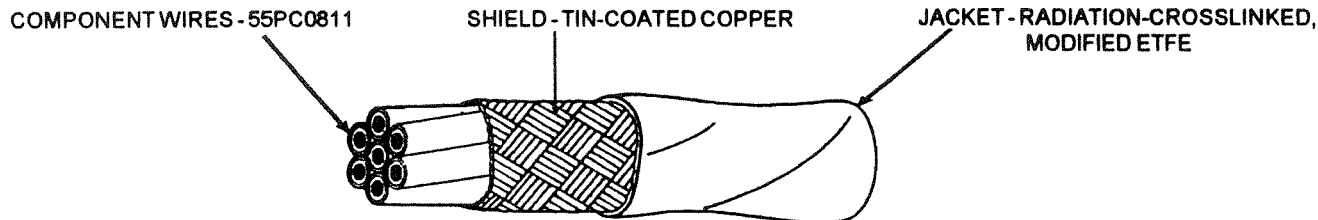
**55PC1871**

TITLE SEVEN CONDUCTOR CABLE, SHIELDED, JACKETED, 600VOLT

Date 8-2-93

Revision

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



### CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC1871-26-*	26	38	.0060	.0080	.145	.150	.158	20.01	20.84
55PC1871-24-*	24	38	.0060	.0080	.160	.165	.171	25.55	26.44
55PC1871-22-*	22	38	.0065	.0085	.179	.184	.190	33.69	34.71
55PC1871-20-*	20	38	.0065	.0085	.204	.210	.215	46.32	47.56
55PC1871-18-*	18	38	.0070	.0090	.235	.241	.247	65.07	66.70
55PC1871-16-*	16	38	.0070	.0090	.259	.265	.271	80.07	82.02
55PC1871-14-*	14	36	.0075	.0095	.312	.319	.326	121.23	123.81
55PC1871-12-*	12	36	.0080	.0100	.368	.375	.383	175.95	179.30
55PC1871-10-*	10	34	.0080	.0100	.432	.448	.464	267.89	280.75

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C  
 Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms)  
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz  
 CROSSLINKING PROOF TEST: 300 ± 3°C for 1 hour  
 JACKET COLOR: White preferred  
 JACKET ELONGATION AND TENSILE STRENGTH:  
 Elongation, 50% (minimum)  
 Tensile Strength, 5000 lbf/in<sup>2</sup> (minimum)  
 JACKET FLAWS:  
 Spark Test, 1000 volts (rms), 60 Hz, 100% test  
 Impulse Dielectric Test, 6.0 kV (peak), 100% test

SHIELD COVERAGE: 85% (minimum)  
 VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):  
 1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:  
 The "\*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.  
 Example: AWG 22, red, blue, yellow, green, black, purple and orange component wires;  
 white jacket: 55PC1871-22-2/6/4/5/0/7/3-9

COLOR AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881.

## Raychem

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