

# SPECIFICATION CONTROL DRAWING

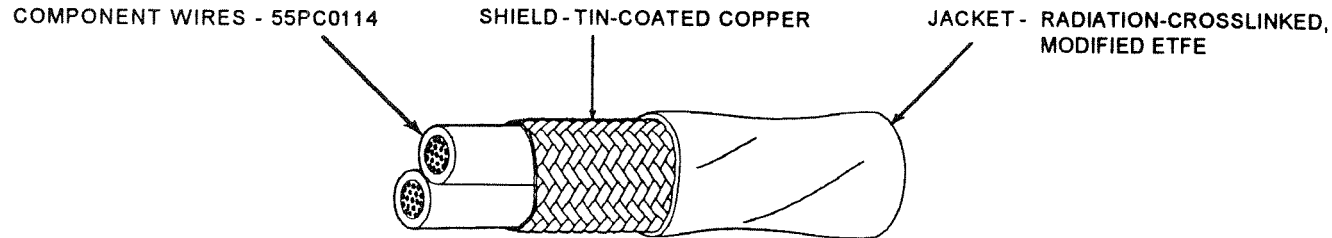
**55PC2124**

TITLE TWO CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT

Date 12-7-95

Revision D

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



### CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS (± .0004)	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
55PC2124-24-*	24	.0015	.0060	.0075	.088	.093	.097	6.48	6.95
55PC2124-22-*	22	.0015	.0060	.0075	.100	.105	.109	8.68	9.20
55PC2124-20-*	20	.0015	.0060	.0080	.117	.122	.126	12.24	12.86
55PC2124-18-*	18	.0015	.0060	.0080	.136	.141	.145	17.29	18.09
55PC2124-16-*	16	.0015	.0060	.0080	.150	.156	.161	21.36	22.25

### 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  
**CROSSLINK VERIFICATION:** 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 and blue component wires; white jacket: 55PC2124-22-2/6-9

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HERIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

## **Raychem**

Raychem Corporation  
 300 Constitution Drive, Menlo Park, California 94025  
 1-800-2 Raychem Fax 1-415-361-6297