

# SPECIFICATION CONTROL DRAWING

**55PC1224**

TITLE

TWO CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

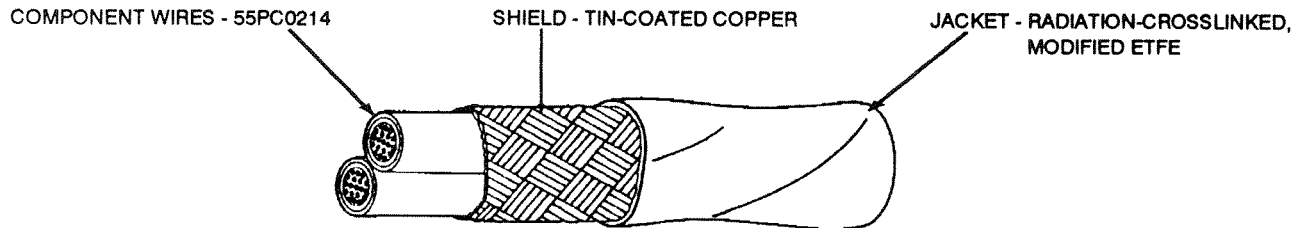
Date

1-15-93

Revision

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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
55PC1224-26-*	26	38	.0050	.0065	.096	.100	.104	7.62	8.02
55PC1224-24-*	24	38	.0050	.0065	.105	.109	.113	9.34	9.75
55PC1224-22-*	22	38	.0055	.0070	.118	.122	.127	12.02	12.50
55PC1224-20-*	20	38	.0055	.0070	.135	.139	.144	16.02	16.56
55PC1224-18-*	18	38	.0055	.0070	.154	.158	.163	21.57	22.25
55PC1224-16-*	16	38	.0060	.0075	.169	.174	.179	26.21	26.96

### 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 a color code designator 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: 55PC1224-22-2/6-9

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 ADVERTISEMENT FOR BID.

## Raychem

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