

# SPECIFICATION CONTROL DRAWING

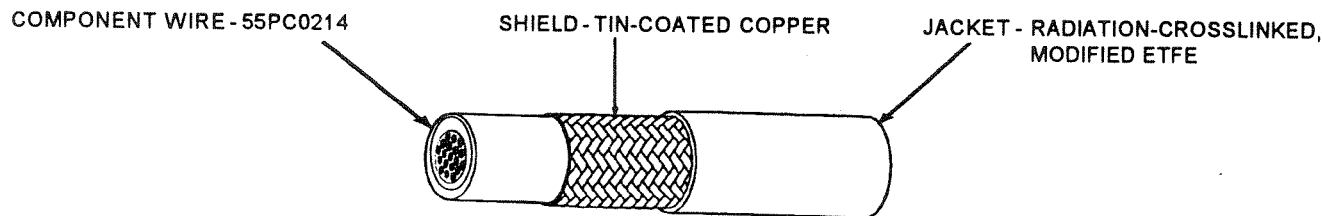
**55PC2214**

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

Date 5-29-96

Revision

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
55PC2214-26-*	26	.0015	.0055	.0070	.052	.056	.060	3.25	3.57
55PC2214-24-*	24	.0015	.0055	.0070	.056	.060	.064	3.84	4.18
55PC2214-22-*	22	.0015	.0055	.0070	.062	.066	.070	4.99	5.36
55PC2214-20-*	20	.0015	.0055	.0070	.070	.075	.079	6.81	7.24
55PC2214-18-*	18	.0015	.0055	.0070	.080	.084	.088	9.39	9.92
55PC2214-16-*	16	.0015	.0055	.0070	.087	.092	.096	11.46	12.04

### 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 a color code designator with a dash separating the component wire color from the jacket color.  
 Example: AWG 24, white component wire; white jacket: 55PC2214-24-9-9

COLOR AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

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

**Raychem**

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