

# SPECIFICATION CONTROL DRAWING

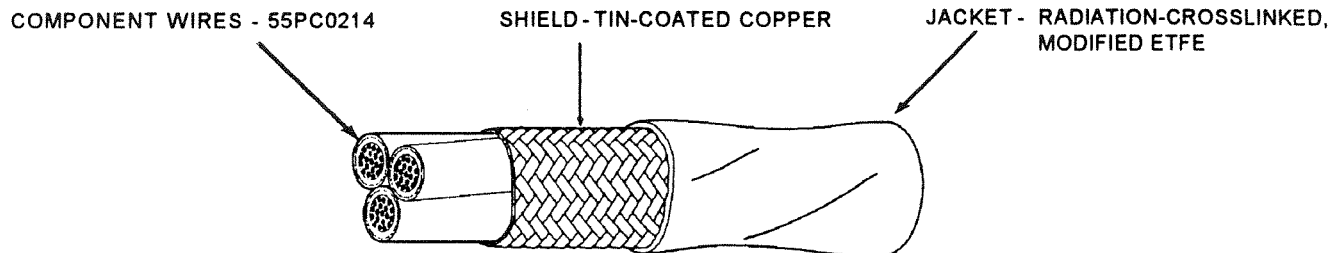
**55PC2234**

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

Date 4-18-95

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
55PC2234-24-*	24	.0015	.0060	.0080	.103	.109	.114	9.76	10.42
55PC2234-22-*	22	.0015	.0065	.0085	.117	.123	.128	13.20	13.92
55PC2234-20-*	20	.0015	.0065	.0085	.135	.141	.146	18.44	19.25
55PC2234-18-*	18	.0015	.0065	.0085	.156	.161	.167	26.00	27.05
55PC2234-16-*	16	.0015	.0070	.0090	.173	.179	.184	32.26	33.46

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C  
 Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms)  
 CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour  
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz  
 JACKET COLOR: White preferred  
 JACKET ELONGATION AND TENSILE STRENGTH:  
 Elongation, 50% (minimum)  
 Tensile Strength, 5000 lb/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 and yellow component wires; white jacket: 55PC2234-22-2/6/4-9

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

## Raychem

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