

# SPECIFICATION CONTROL DRAWING

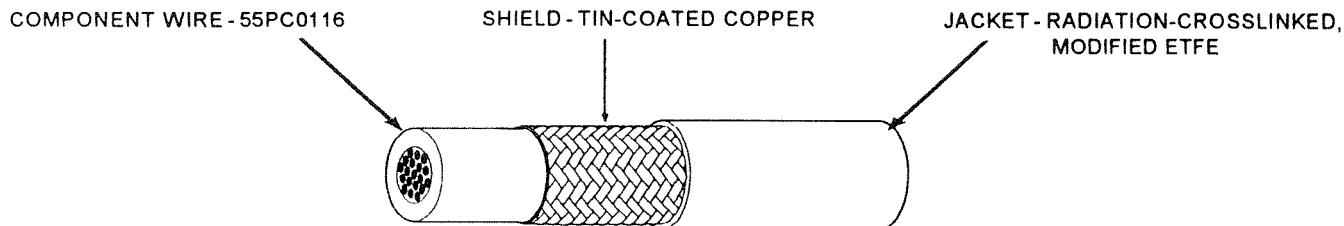
**55PC2116**

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

Date 1-12-96

Revision C

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
55PC2116-24-*	24	.0015	.0055	.0070	.052	.056	.060	3.51	3.82
55PC2116-22-*	22	.0015	.0055	.0070	.058	.062	.066	4.63	4.97
55PC2116-20-*	20	.0015	.0055	.0070	.066	.070	.074	6.36	6.75
55PC2116-18-*	18	.0015	.0055	.0070	.075	.080	.084	8.89	9.41
55PC2116-16-*	16	.0015	.0055	.0070	.083	.087	.092	10.93	11.48

### 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 22, white component wire;  
                   white jacket: 55PC2116-22-9-9

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

## Raychem

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