

# SPECIFICATION CONTROL DRAWING

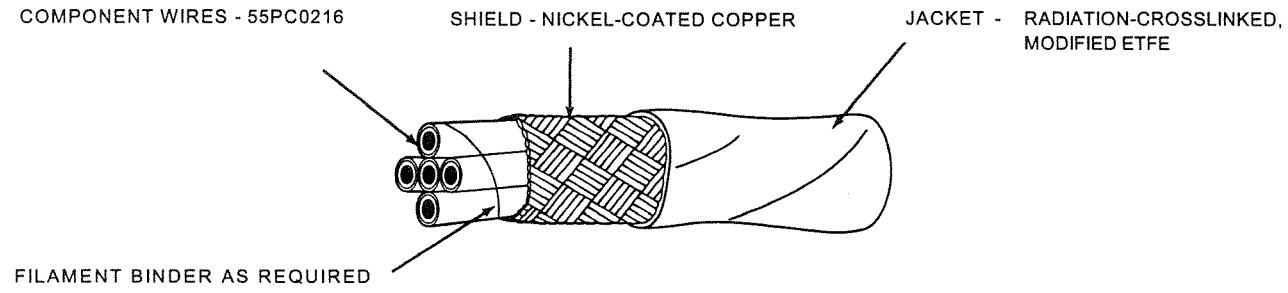
**55PC1256**

TITLE **FIVE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT**

Date **6-02-00**

Revision **A**

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.)	
			LOWERSPEC LIMIT	TARGET WALL	LOWERSPEC LIMIT	TARGET VALUE	UPPERSPEC LIMIT	TARGET VALUE	UPPERSPEC LIMIT
55PC1256-26-*	26	38	.0060	.0080	.118	.131	.143	15.14	15.86
55PC1256-24-*	24	38	.0060	.0080	.130	.144	.157	19.03	19.74
55PC1256-22-*	22	38	.0065	.0085	.146	.161	.176	25.14	26.01
55PC1256-20-*	20	38	.0065	.0085	.169	.186	.202	34.44	35.47
55PC1256-18-*	18	38	.0070	.0090	.194	.213	.232	47.84	49.15
55PC1256-16-*	16	38	.0070	.0090	.214	.234	.254	58.51	60.03

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

**TEMPERATURE RATING: 200°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 lbf/in<sup>2</sup> (minimum)  
**JACKET FLAWS:**  
 Spark Test, 1000 volts (rms), 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, blue, yellow, green and black component wires; white jacket:  
 55PC1256-22-2/6/4/5/0-9

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

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



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