

# SPECIFICATION CONTROL DRAWING

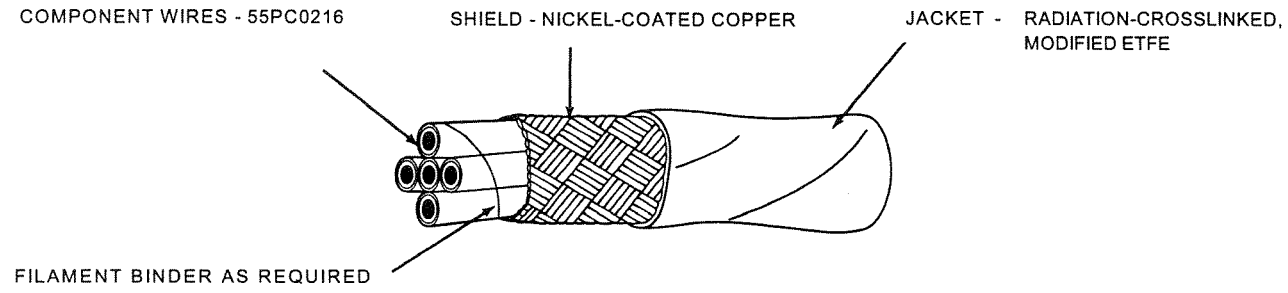
**55PC1256**

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.



300 Constitution Drive, Menlo Park, California 94025  
 1-800-2 Raychem Fax: 650-361-6297