

# SPECIFICATION CONTROL DRAWING

**55PC1226**

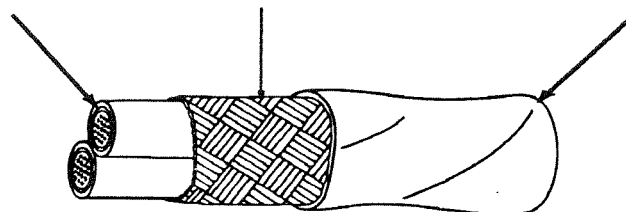
TITLE  
TWO CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date  
4-28-95

Revision

This specification sheet forms a part of the latest issue of Raychem Specification 55PC.

COMPONENT WIRES - 55PC0216
SHIELD - NICKEL-COATED COPPER
JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE



### CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	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
55PC1226-26-*	26	38	.0050	.0065	.096	.100	.104	7.62	8.02
55PC1226-24-*	24	38	.0050	.0065	.105	.109	.113	9.34	9.75
55PC1226-22-*	22	38	.0055	.0070	.118	.122	.127	12.02	12.50
55PC1226-20-*	20	38	.0055	.0070	.135	.139	.144	16.02	16.56
55PC1226-18-*	18	38	.0055	.0070	.154	.158	.163	21.57	22.25
55PC1226-16-*	16	38	.0060	.0075	.169	.174	.179	26.21	26.96

### 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), 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 slash separating the component wire colors and a dash separating the component wire colors from the jacket color.  
 Example: AWG 22, red and blue component wires; white jacket: 55PC1226-22-2/6-9

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

## Raychem

Raychem Corporation  
 300 Constitution Drive, Menlo Park, California 94025  
 1-800-2 Raychem FAX: 1-415-381-8287