

# SPECIFICATION CONTROL DRAWING

**55PC6194**

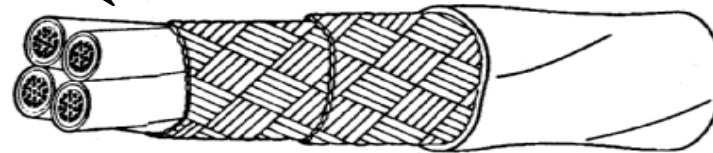
TITLE FOUR CONDUCTOR CABLE, DOUBLE SHIELDED, JACKETED, 600 VOLT

Date 04-05-01

Revision

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

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



## CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	INNER SHIELD SIZE (AWG)	OUTER 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
55PC6194-24-*	24	38	38	.0060	.0080	.138	.153	.168	21.77	22.51
55PC6194-22-*	22	38	38	.0060	.0080	.149	.169	.189	27.30	28.24
55PC6194-20-*	20	38	38	.0065	.0085	.170	.191	.212	35.81	36.80
55PC6194-18-*	18	38	38	.0070	.0090	.191	.217	.243	47.60	48.93
55PC6194-16-*	16	38	38	.0070	.0090	.209	.236	.263	57.10	58.49

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

### TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

CROSSLINKING PROOF TEST: 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), 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100 % test

SHIELD COVERAGE: 85% (minimum) (each)

### 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, yellow and green component wires; white jacket: 55PC6194-22-2/6/4/5-9

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

**Raychem**

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