

SPECIFICATION CONTROL DRAWING

55PC6194

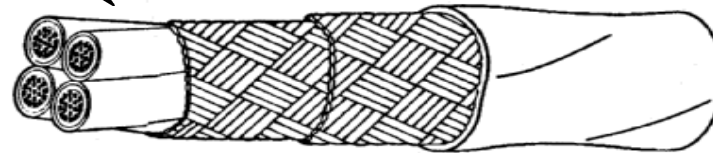
TITLE FOUR CONDUCTOR CABLE, DOUBLE SHIELDED, JACKETED, 600 VOLT

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/in² (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.

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