

SPECIFICATION CONTROL DRAWING

55PC6144

TITLE

THREE CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT

Date

11-16-99

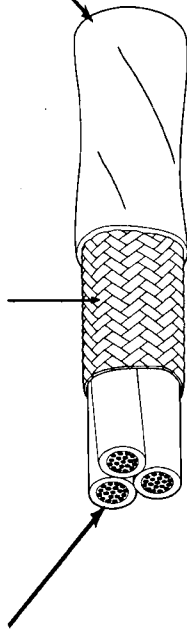
Revision

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

COMPONENT WIRES - 55PC0116

SHIELD - NICKEL-COATED COPPER

JACKET - RADIATION-CROSSLINKED, MODIFIED ETEFE



PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS (±.0004)	JACKET THICKNESS (in.)		DIAMETER (in.)		WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE
55PC6144-26*	26	.0015	.0060	.0080	.084	.089	.094	6.71
55PC6144-24*	24	.0015	.0060	.0080	.095	.100	.105	8.89
55PC6144-22*	22	.0015	.0060	.0080	.108	.113	.118	12.09
55PC6144-20*	20	.0015	.0065	.0085	.126	.131	.136	17.21
55PC6144-18*	18	.0015	.0065	.0085	.146	.152	.157	24.62
55PC6144-16*	16	.0015	.0065	.0085	.161	.168	.175	30.67
55PC6144-16*	16	.0015	.0065	.0085	.161	.168	.175	31.93

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

SHIELD COVERAGE: 85% (minimum)

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):

1000 volts (rms), 60 Hz, 1 minute

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/in² (minimum)

JACKET FLAWS:

Spark Test, 1000 volts (rms), 60 Hz, 100% test

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

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 and yellow component wires;

white jacket: 55PC6144-22-2/6/4-9

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.

Raychem

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