

# SPECIFICATION CONTROL DRAWING

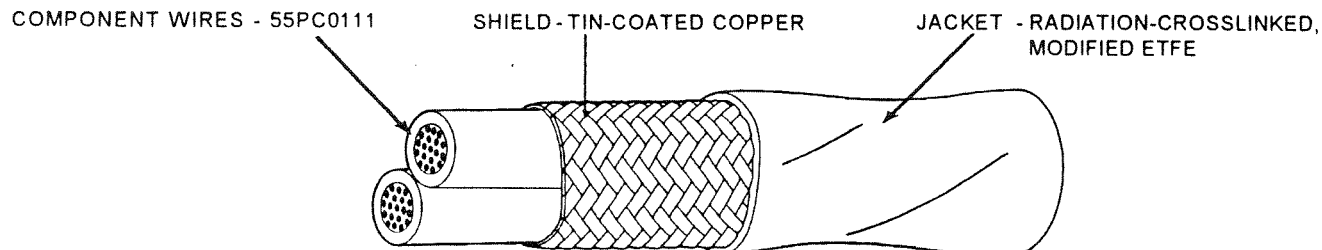
55PC2121

TITLE TWO CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT

Date 11-13-95

Revision E

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



## CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS ( $\pm .0004$ )	JACKET THICKNESS (in.)		DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC2121-24-*	24	.0015	.0060	.0075	.088	.093	.097	6.48	6.95
55PC2121-22-*	22	.0015	.0060	.0075	.100	.105	.109	8.68	9.20
55PC2121-20-*	20	.0015	.0060	.0080	.117	.122	.126	12.24	12.86
55PC2121-18-*	18	.0015	.0060	.0080	.136	.141	.145	17.29	18.09
55PC2121-16-*	16	.0015	.0060	.0080	.150	.156	.161	21.36	22.25
55PC2121-14-*	14	.0015	.0065	.0085	.180	.186	.191	31.45	32.62
55PC2121-12-*	12	.0015	.0070	.0090	.218	.225	.231	46.80	48.31
55PC2121-10-*	10	.0015	.0075	.0095	.270	.278	.285	72.36	74.50

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

CROSSLINK VERIFICATION: 300  $\pm$  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), 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 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 and blue component wires;

white jacket: 55PC2121-22-2/6-9

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

**Raychem**

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