

SPECIFICATION CONTROL DRAWING

55PC2242

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

Date 1-12-96

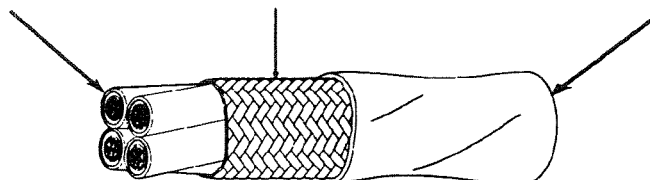
Revision B

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

COMPONENT WIRES - 55PC0212

SHIELD - SILVER-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETE



CONSTRUCTION DETAILS

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	UPPER SPEC LIMIT
55PC2242-26-*	26	.0015	.0065	.0085	.099	.114	.129	9.94	10.65
55PC2242-24-*	24	.0015	.0070	.0090	.110	.126	.142	12.53	13.26
55PC2242-22-*	22	.0015	.0070	.0090	.124	.142	.160	16.92	17.78
55PC2242-20-*	20	.0015	.0070	.0090	.142	.164	.186	23.85	24.90
55PC2242-18-*	18	.0015	.0075	.0095	.164	.189	.214	33.98	35.28
55PC2242-16-*	16	.0015	.0075	.0095	.182	.209	.236	42.02	43.50
55PC2242-14-*	14	.0015	.0080	.0100	.215	.247	.280	62.23	64.14
55PC2242-12-*	12	.0015	.0080	.0105	.259	.297	.336	92.47	94.86
55PC2242-10-*	10	.0015	.0085	.0110	.312	.361	.410	141.89	145.43

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

CROSSLINK VERIFICATION: 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), 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, blue, yellow and green component wires; white jacket:

55PC2242-22-2/6/4/5-9

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

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