

SPECIFICATION CONTROL DRAWING

55PC1122

TITLE

TWO CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date

1-7-94

Revision

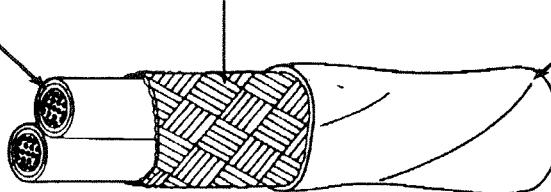
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This specification sheet forms a part of the latest issue of Raychem Specification 55PC.

COMPONENT WIRES - 55PC0112

SHIELD - SILVER-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	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
55PC1122-24 *	24	38	.0050	.0065	.097	.101	.105	8.55	8.91
55PC1122-22 *	22	38	.0050	.0065	.109	.114	.119	11.10	11.60
55PC1122-20 *	20	38	.0055	.0070	.126	.130	.134	14.95	15.44
55PC1122-18 *	18	38	.0055	.0070	.145	.149	.154	20.40	21.03
55PC1122-16 *	16	38	.0055	.0070	.159	.164	.169	24.81	25.54
55PC1122-14 *	14	38	.0060	.0075	.189	.194	.199	35.52	36.41
55PC1122-12 *	12	38	.0060	.0080	.227	.233	.238	51.71	52.88

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

CROSSLINKING PROOF TEST: 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

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, white and black component wires;
white jacket: 55PC1122-22-9/0-9

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

Raychem

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