

SPECIFICATION CONTROL DRAWING

55PC2113

TITLE

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

Date

10-05-99

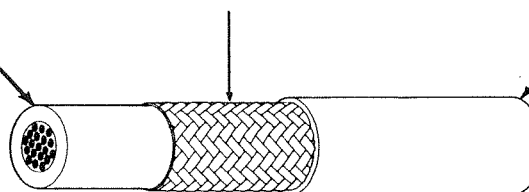
Revision

A

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

COMPONENT WIRE - 55PC0113

SHIELD - NICKEL-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE

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
55PC2113-26-*	26	.0015	.0055	.0070	.047	.051	.055	2.73	3.01
55PC2113-24-*	24	.0015	.0055	.0070	.052	.056	.060	3.51	3.82
55PC2113-22-*	22	.0015	.0055	.0070	.058	.062	.066	4.63	4.97
55PC2113-20-*	20	.0015	.0055	.0070	.066	.070	.074	6.36	6.75
55PC2113-18-*	18	.0015	.0055	.0070	.075	.080	.084	8.89	9.41
55PC2113-16-*	16	.0015	.0055	.0070	.083	.087	.092	10.93	11.48
55PC2113-14-*	14	.0015	.0055	.0070	.097	.102	.106	15.89	16.57
55PC2113-12-*	12	.0015	.0055	.0070	.117	.122	.127	23.55	24.40
55PC2113-10-*	10	.0015	.0055	.0070	.142	.148	.154	36.13	37.42

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

CROSSLINK VERIFICATION: $300 \pm 3^\circ\text{C}$ 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 dash separating
the component wire color from the jacket color.

Example: AWG 22, white component wire;

white jacket: 55PC2113-22-9-9

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

Raychem

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