

SPECIFICATION CONTROL DRAWING

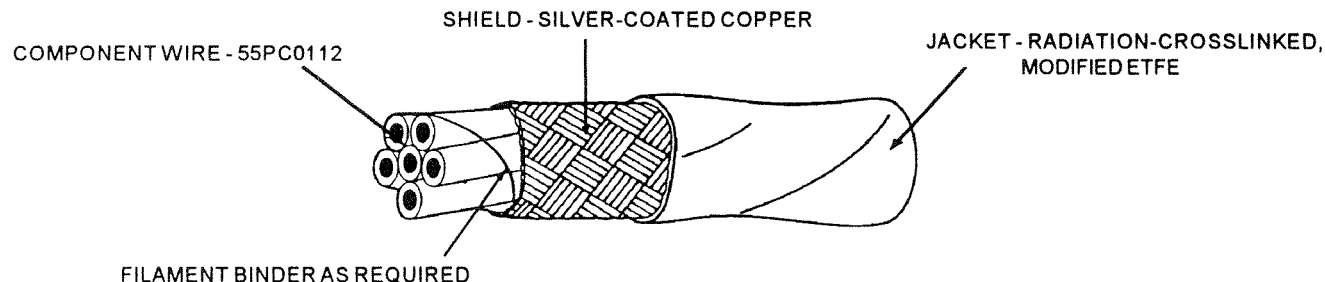
55PC1162

TITLE
SIX CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date
5-6-94

Revision

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



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
55PC1162-24-*	24	38	.0060	.0080	.136	.141	.146	19.38	20.10
55PC1162-22-*	22	38	.0060	.0080	.154	.159	.164	26.00	26.80
55PC1162-20-*	20	38	.0065	.0085	.179	.184	.189	36.52	37.52
55PC1162-18-*	18	38	.0065	.0085	.208	.213	.218	51.73	53.05
55PC1162-16-*	16	38	.0070	.0090	.231	.236	.241	64.21	65.79
55PC1162-14-*	14	38	.0075	.0095	.276	.281	.286	94.37	96.44
55PC1162-12-*	12	36	.0080	.0100	.339	.344	.349	144.47	147.31

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 dash separating the component wire color from the jacket color.

Example: AWG 22, red, blue, yellow, green, black, purple component wires; white jacket:

55PC1162-22-2/6/4/5/0/7-9

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HERIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

Raychem

Raychem Corporation
300 Constitution Drive, Menlo Park, CA 94025
1-800-2 RAYCHEM FAX: 415-381-1111