SPECIFICATION CONTROL DRAWING

55PC7102

FOUR CONDUCTOR CABLE. DOUBLE SHIELDED. DOUBLE JACKETED, 600 VOLT

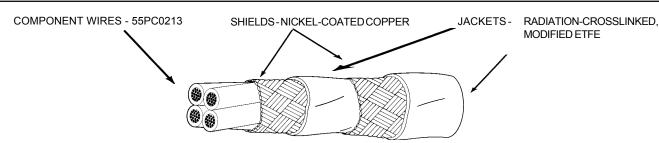
01-10-02

MODIFIED FTFF

Date

Revision

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



CONSTRUCTION DETAILS												
PART NUMBER	CONDUCTOR SIZE (AWG)	INNER SHIELD SIZE (AWG)	INNERJACKET THICKNESS (in.)		OUTER SHIELD	OUTERJACKET THICKNESS (in.)		DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL	SIZE (AWG)	LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC7102-24-*	24	38	.0040	.0050	38	.0080	.0100	.154	.160	.166	24.01	25.45
55PC7102-22-*	22	38	.0040	.0050	38	.0080	.0100	.168	.174	.180	29.63	31.11
55PC7102-20-*	20	38	.0040	.0050	38	.0080	.0100	.189	.195	.201	38.32	40.24
55PC7102-18-*	18	38	.0040	.0050	38	.0080	.0100	.212	.218	.224	50.31	51.82
55PC7102-16-*	16	38	.0040	.0050	38	.0080	.0100	.230	.236	.242	59.91	61.71
55PC7102-14-*	14	38	.0040	.0050	38	.0080	.0100	.266	.272	.278	82.99	85.48
55PC7102-12-*	12	38	.0040	.0050	36	.0080	.0100	.315	.321	.327	120.65	124.27
55PC7102-10-*	10	36	.0040	.0050	36	.0080	.0100	.378	.384	.390	179.77	185.16

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour

DIELECTRIC WITHSTAND:

1500 volts (rms), 60 Hz, conductor to conductor & shield

500 volts (rms), 60 Hz, shield to shield

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum) (each)

Tensile Strength, 5000 lbf/in² (minimum) (each)

JACKET FLAWS:

Spark Test, 1000 volts (rms), 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100 % test

SHIELD COVERAGE: 85% (minimum) each shield VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):

1000 volts (rms), 60 Hz, 1 minute

PARTNUMBER:

The "*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors, a dash separating the component wire colors from the inner jacket color and a dash separating the inner lacket color from the outer jacket color.

Example:

AWG 22, red, blue, yellow, and green component wires;

white inner jacket and white outer jacket:

55PC7102-22-2/6/4/5-9-9

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

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

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

TITLE