

SPECIFICATION CONTROL DRAWING

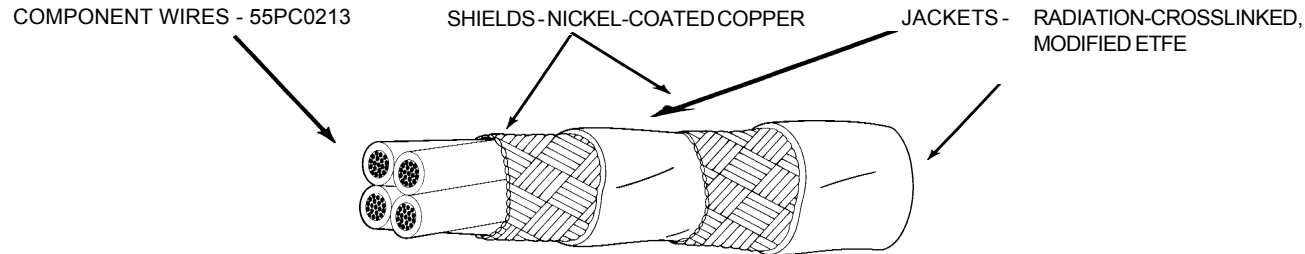
55PC7102

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

Date 01-10-02

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)	INNER JACKET THICKNESS (in.)		OUTER SHIELD SIZE (AWG)	OUTER JACKET THICKNESS (in.)		DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL		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

PART NUMBER:
 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 jacket 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.

Raychem

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单击下面可查看定价，库存，交付和生命周期等信息

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