

SPECIFICATION CONTROL DRAWING

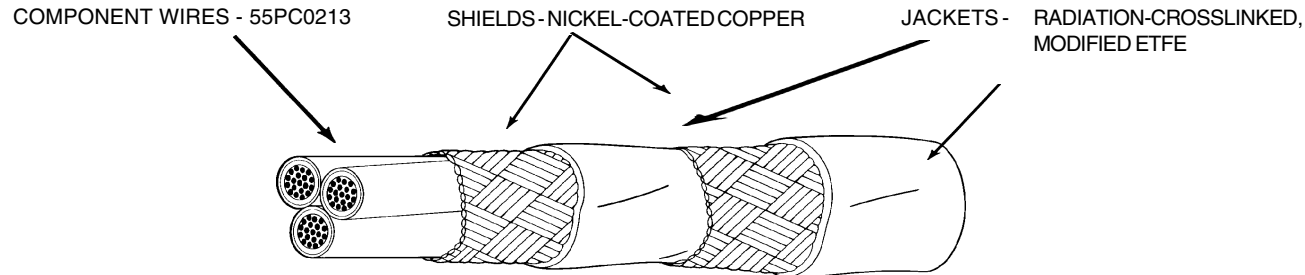
55PC6170

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

Date 05-10-00

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
55PC6170-24-*	24	38	.0040	.0050	38	.0080	.0100	.143	.149	.155	20.52	21.75
55PC6170-22-*	22	38	.0040	.0050	38	.0080	.0100	.156	.162	.168	24.98	26.23
55PC6170-20-*	20	38	.0040	.0050	38	.0080	.0100	.175	.181	.187	31.85	33.44
55PC6170-18-*	18	38	.0040	.0050	38	.0080	.0100	.195	.201	.207	41.22	42.46
55PC6170-16-*	16	38	.0040	.0050	38	.0080	.0100	.211	.217	.223	48.73	50.19
55PC6170-14-*	14	38	.0040	.0050	38	.0080	.0100	.244	.250	.256	66.66	68.66
55PC6170-12-*	12	38	.0040	.0050	36	.0080	.0100	.288	.294	.300	96.28	99.17
55PC6170-10-*	10	36	.0040	.0050	36	.0080	.0100	.345	.351	.357	142.28	146.54

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, and yellow component wires; white inner jacket and white outer jacket:
 55PC6170-22-2/6/4-9-9

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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