

SPECIFICATION CONTROL DRAWING

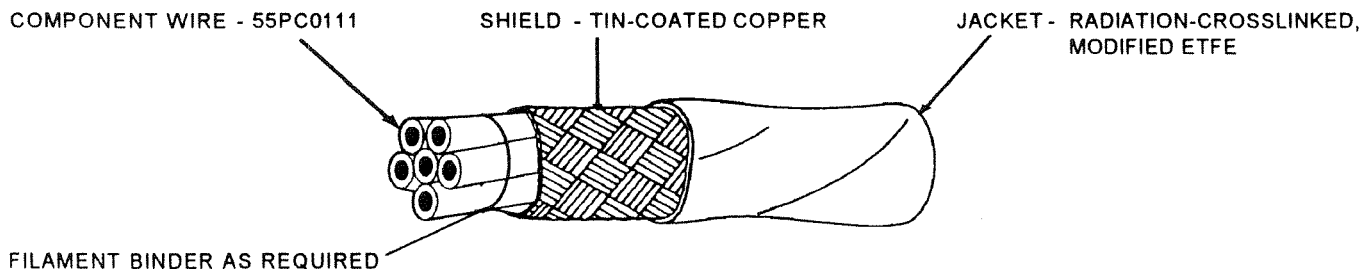
55PC1161

TITLE **SIX CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT**

Date **5-27-98**

Revision **A**

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
55PC1161-26-*	26	38	.0060	.0080	.121	.126	.131	14.81	15.45
55PC1161-24-*	24	38	.0060	.0080	.136	.141	.146	19.38	20.10
55PC1161-22-*	22	38	.0060	.0080	.154	.159	.164	26.00	26.80
55PC1161-20-*	20	38	.0065	.0085	.179	.184	.189	36.52	37.52
55PC1161-18-*	18	38	.0065	.0085	.208	.213	.218	51.73	53.05
55PC1161-16-*	16	38	.0070	.0090	.231	.236	.241	64.21	65.79
55PC1161-14-*	14	38	.0075	.0095	.276	.281	.286	94.37	96.44
55PC1161-12-*	12	36	.0080	.0100	.339	.344	.349	144.47	147.31
55PC1161-10-*	10	36	.0080	.0100	.417	.422	.427	221.53	225.85

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
 Maximum continuous conductor temperature
 VOLTAGE RATING: 600 volts (rms)
 CROSSLINKG VERIFICATION: 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:
 55PC1161-22-2/6/4/5/0/7-9

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