

SPECIFICATION CONTROL DRAWING

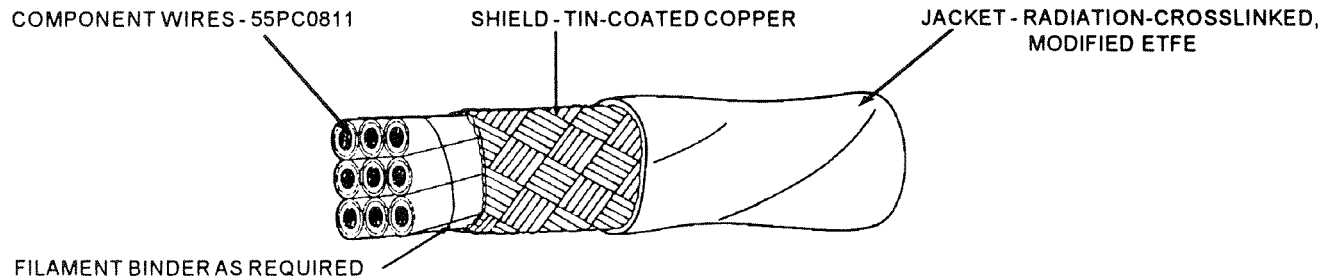
55PC1891

TITLE NINE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date 9-16-94

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
			55PC1891-24-*	24	38	.006	.008	.150	.187
55PC1891-22-*	22	38	.006	.008	.175	.209	.243	42.32	44.12
55PC1891-20-*	20	38	.007	.009	.202	.241	.280	58.85	61.23
55PC1891-18-*	18	38	.007	.009	.230	.276	.322	83.08	86.15
55PC1891-16-*	16	36	.007	.009	.258	.309	.360	102.15	109.66
55PC1891-14-*	14	36	.008	.010	.307	.368	.429	154.74	160.01
55PC1891-12-*	12	36	.009	.011	.361	.435	.509	225.08	232.36

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
 Maximum continuous conductor temperature
 VOLTAGE RATING: 600 volts (rms)
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
 CROSSLINKING PROOF TEST: 300 ± 3°C for 1 hour
 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 color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.
 Example: AWG 22, red, blue, yellow, green, black, purple, orange, brown and pink component wires; white jacket:
 55PC1891-22-2/6/4/5/0/7/3/1/2L-9

COLOR AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881.

Raychem

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