

SPECIFICATION CONTROL DRAWING

55PC1144

TITLE

FOUR CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

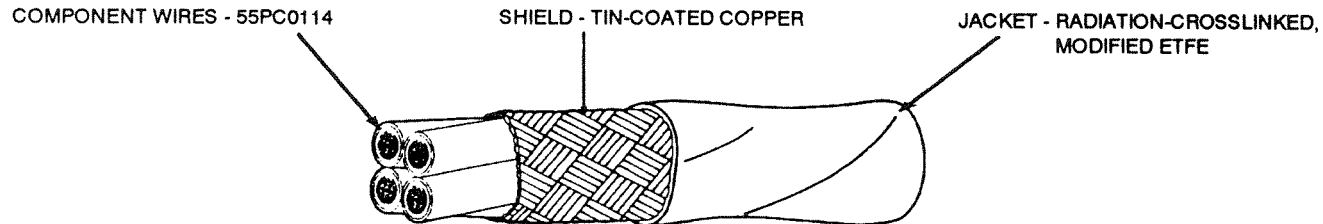
Date

1-15-93

Revision

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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
55PC1144-26-*	26	38	.0060	.0075	.098	.111	.124	10.86	11.38
55PC1144-24-*	24	38	.0060	.0080	.111	.125	.138	14.03	14.59
55PC1144-22-*	22	38	.0060	.0080	.123	.140	.156	18.57	19.19
55PC1144-20-*	20	38	.0060	.0080	.142	.161	.180	25.67	26.42
55PC1144-18-*	18	38	.0065	.0085	.163	.186	.209	36.10	37.15
55PC1144-16-*	16	38	.0065	.0085	.181	.205	.230	44.44	45.52

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 a color code designator 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 and green component wires; white jacket: 55PC1144-22-2/6/4/5-9

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

Raychem

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