

SPECIFICATION CONTROL DRAWING

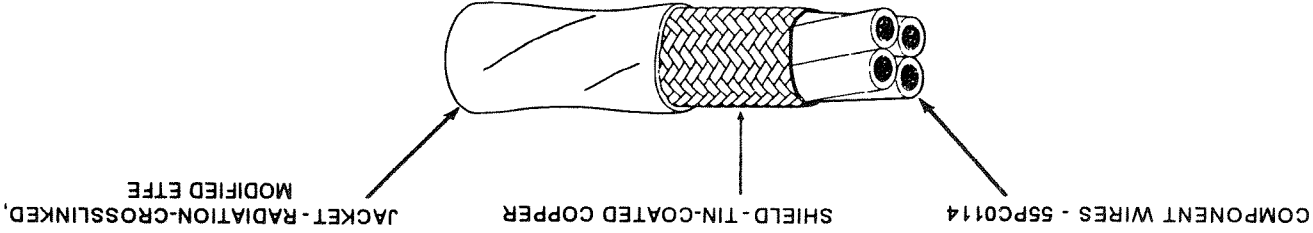
55PC2144

TITLE
FOUR CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT

Date
12-7-95

Revision
D

This specification sheet forms a part of the latest issue of Raychem Specification 55PC.



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD THICKNESS (± .0004)	JACKET THICKNESS (in.)		DIAMETER (in.)		WEIGHT (lbs/1000 ft.)
			LOWER SPEC	TARGET	LOWER SPEC	TARGET	
55PC2144-24*	24	.0015	.0085	.100	.115	.131	12.07
55PC2144-22*	22	.0015	.0070	.0990	.115	.148	16.39
55PC2144-20*	20	.0015	.0070	.0090	.133	.172	23.18
55PC2144-18*	18	.0015	.0075	.0095	.154	.177	33.41
55PC2144-16*	16	.0015	.0075	.0095	.172	.197	41.50

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
 CROSSLINK VERIFICATION: 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 and green
 component wires, white jacket:
 55PC2144-22-2/6/4/5-9

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED



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