

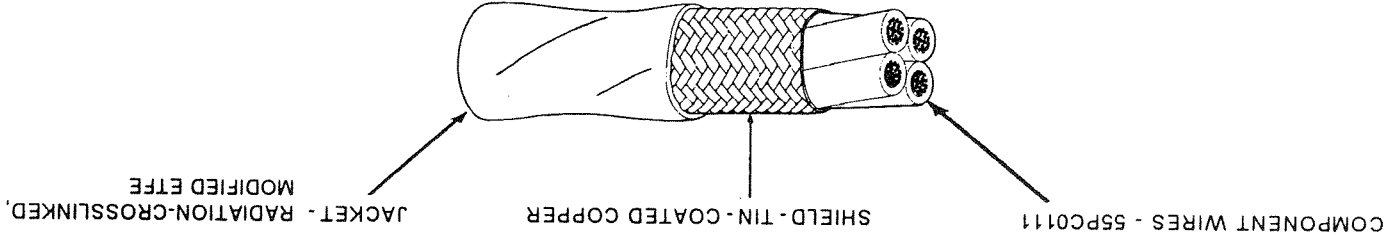
SPECIFICATION CONTROL DRAWING

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

Date 11-13-95

Revision D

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



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS (± .0004)	JACKET THICKNESS (in.)		DIAMETER (in.)		WEIGHT (lbs/1000 ft.)
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	
55PC2141-24	24	.0015	.0065	.0085	.100	.115	11.36
55PC2141-22	22	.0015	.0070	.0090	.115	.131	15.63
55PC2141-20	20	.0015	.0070	.0090	.131	.148	22.25
55PC2141-18	18	.0015	.0075	.0095	.154	.177	32.18
55PC2141-16	16	.0015	.0075	.0095	.172	.197	40.08
55PC2141-14	14	.0015	.0080	.0100	.204	.235	59.69
55PC2141-12	12	.0015	.0080	.0100	.247	.285	89.60
55PC2141-10	10	.0015	.0085	.0110	.305	.352	139.71
							143.20

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

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:
 55PC2141-22-2/6/4/5-9

SHIELD COVERAGE: 85% (minimum)
 VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):
 1000 volts (rms), 60 HZ, 1 minute

PART NUMBER:

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.



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