

SPECIFICATION CONTROL DRAWING

55PC2143

TITLE

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

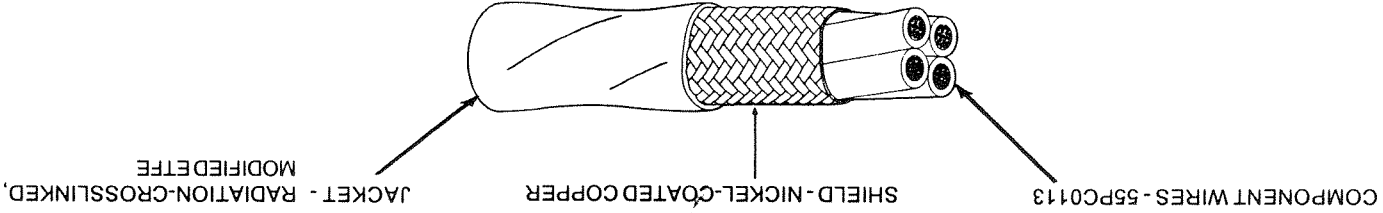
Date

10-05-99

Revision

A

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 VALUE	UPPER SPEC LIMIT	TARGET VALUE	
55PC2143-26*	26	.0015	.0065	.0085	.102	.115	8.44
55PC2143-24*	24	.0015	.0065	.0085	.100	.115	11.36
55PC2143-22*	22	.0015	.0070	.0090	.115	.131	16.39
55PC2143-20*	20	.0015	.0070	.0090	.133	.148	23.18
55PC2143-18*	18	.0015	.0075	.0095	.154	.172	33.41
55PC2143-16*	16	.0015	.0075	.0095	.172	.197	41.50
55PC2143-14*	14	.0015	.0080	.0100	.204	.235	59.69
55PC2143-12*	12	.0015	.0085	.0110	.247	.285	89.60
55PC2143-10*	10	.0015	.0085	.0110	.305	.352	143.20

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C
 Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

CROSSLINK 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 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:
 55PC2143-22-2/6/4/5-9

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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