

SPECIFICATION CONTROL DRAWING

55PC2131

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

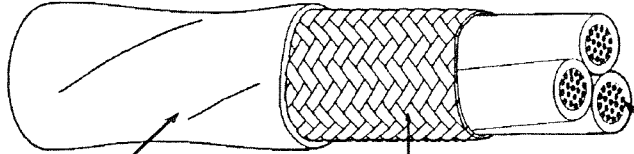
Date

11-13-95

Revision

E

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



COMPONENT WIRES - 55PC0111

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE

CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD THICKNESS (± .0004)	JACKET THICKNESS (in.)		DIAMETER (in.)		WEIGHT (lbs/1000 ft.)
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	
55PC2131-24	24	.0015	.0060	.0080	.100	.105	8.89
55PC2131-22	22	.0015	.0060	.0080	.108	.113	12.72
55PC2131-20	20	.0015	.0065	.0085	.126	.131	17.95
55PC2131-18	18	.0015	.0065	.0085	.146	.152	25.60
55PC2131-16	16	.0015	.0070	.0085	.161	.168	31.93
55PC2131-14	14	.0015	.0070	.0090	.194	.200	46.79
55PC2131-12	12	.0015	.0070	.0090	.235	.241	69.54
55PC2131-10	10	.0015	.0075	.0095	.291	.299	108.12

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

PART NUMBER:
 The "..." in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors from the jacket color.
 Example: AWG 22, red, blue and yellow component wires; white jacket: 55PC2131-22-2/6/4-9

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

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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