

SPECIFICATION CONTROL DRAWING

55PC4131

TITLE THREE CONDUCTOR CABLE, JACKETED, 600 VOLT

Date 2-28-97

Revision B

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

COMPONENT WIRES - 55PC0111

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR 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
55PC4131-24-*	24	.0055	.0070	.087	.091	.096	7.05	7.50
55PC4131-22-*	22	.0055	.0070	.100	.104	.109	9.91	10.43
55PC4131-20-*	20	.0060	.0075	.118	.122	.127	14.63	15.24
55PC4131-18-*	18	.0060	.0075	.138	.143	.148	21.52	22.34
55PC4131-16-*	16	.0060	.0075	.154	.159	.164	27.08	27.98
55PC4131-14-*	14	.0060	.0080	.186	.192	.197	41.11	42.33
55PC4131-12-*	12	.0060	.0080	.227	.233	.239	62.41	63.93

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)

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 20, red, blue and yellow component wires; white jacket: 55PC4131-20-2/6/4-9

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

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