

# SPECIFICATION CONTROL DRAWING

**55PC4121**

TITLE  
TWO 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
55PC4121-24.*	24	.0050	.0065	.080	.084	.088	4.91	5.28
55PC4121-22.*	22	.0050	.0065	.092	.096	.100	6.83	7.23
55PC4121-20.*	20	.0050	.0065	.108	.112	.116	9.91	10.40
55PC4121-18.*	18	.0055	.0070	.127	.132	.137	14.66	15.34
55PC4121-16.*	16	.0055	.0070	.142	.147	.152	18.38	19.11
55PC4121-14.*	14	.0060	.0075	.172	.177	.182	27.81	28.76
55PC4121-12.*	12	.0060	.0075	.209	.215	.222	42.11	43.41

### 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/in<sup>2</sup> (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 and blue component wires;  
 white jacket: 55PC4121-20-2/6-9

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

**Raychem**

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