

# SPECIFICATION CONTROL DRAWING

**55PC4221**

TITLE

TWO CONDUCTOR CABLE, JACKETED, 600 VOLT

Date

3-27-96

Revision

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

COMPONENT WIRES - 55PC0211

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
55PC4221-24-*	24	.0050	.0065	.088	.092	.096	5.35	5.76
55PC4221-22-*	22	.0050	.0065	.100	.104	.108	7.36	7.81
55PC4221-20-*	20	.0055	.0070	.117	.122	.127	10.69	11.23
55PC4221-18-*	18	.0055	.0070	.136	.141	.146	15.42	16.15
55PC4221-16-*	16	.0055	.0070	.151	.156	.161	19.22	19.98
55PC4221-14-*	14	.0060	.0075	.182	.187	.192	28.96	29.96
55PC4221-12-*	12	.0060	.0080	.220	.226	.232	43.59	44.89

### 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: 55PC4221-20-2/6-9

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

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