

# SPECIFICATION CONTROL DRAWING

**55PC4243**

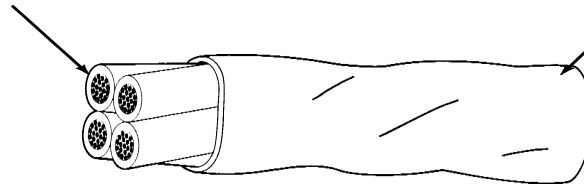
TITLE  
FOUR CONDUCTOR CABLE, JACKETED, 600 VOLT

Date  
01-08-03

Revision  
B

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

COMPONENT WIRES - 55PC0213



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
55PC4243-24-*	24	.0060	.0080	.100	.117	.134	10.15	10.84
55PC4243-22-*	22	.0060	.0080	.115	.133	.151	14.20	14.89
55PC4243-20-*	20	.0060	.0080	.134	.155	.175	20.58	21.42
55PC4243-18-*	18	.0065	.0085	.156	.180	.205	30.19	31.30
55PC4243-16-*	16	.0065	.0085	.172	.200	.227	37.77	39.02
55PC4243-14-*	14	.0070	.0090	.207	.239	.272	57.07	58.72
55PC4243-12-*	12	.0075	.0095	.249	.289	.329	86.27	88.46
55PC4243-10-*	10	.0080	.0100	.304	.352	.401	134.27	137.59
55PC4243- 8-*	8	.0090	.0110	.477	.496	.580	244.	259.

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°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, blue, yellow and green component wires; white jacket:  
 55PC4243-20-2/6/4/5-9

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