

# SPECIFICATION CONTROL DRAWING

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

Date

1-12-96

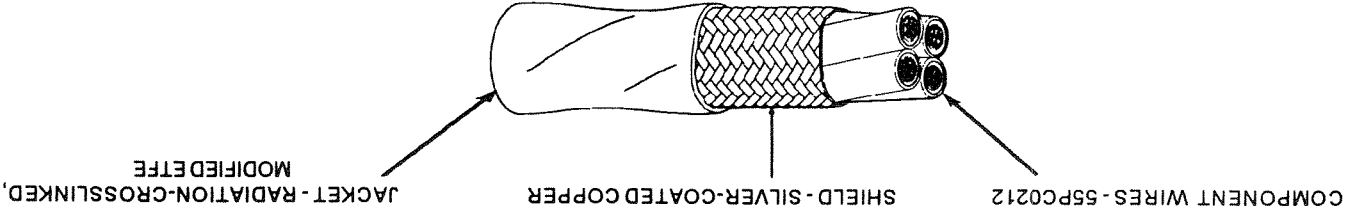
Revision

B

55PC2242

TITLE

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



### CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD THICKNESS (± .0004)	JACKET THICKNESS (in.)		DIAMETER (in.)		UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	WEIGHT (lbs/1000 ft.)
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE					
55PC2242-26*	26	.0015	.0065	.0085	.114	.129	9.94	10.65	9.94	12.53	10.65
55PC2242-24*	24	.0015	.0070	.0090	.110	.126	9.94	13.26	9.94	16.92	17.78
55PC2242-22*	22	.0015	.0070	.0090	.124	.142	9.94	13.26	9.94	16.92	17.78
55PC2242-20*	20	.0015	.0070	.0090	.142	.164	9.94	24.90	9.94	23.85	24.90
55PC2242-18*	18	.0015	.0075	.0095	.164	.189	9.94	35.28	9.94	33.98	35.28
55PC2242-16*	16	.0015	.0075	.0095	.209	.236	9.94	43.50	9.94	42.02	43.50
55PC2242-14*	14	.0015	.0080	.0100	.215	.247	9.94	64.14	9.94	62.23	64.14
55PC2242-12*	12	.0015	.0080	.0105	.259	.297	9.94	94.86	9.94	92.47	94.86
55PC2242-10*	10	.0015	.0085	.0110	.312	.361	9.94	145.43	9.94	141.89	145.43

### 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)  
 JACKET FLAWS:  
 Spark Test, 1000 volts (rms), 60 HZ, 100% test  
 Impulse Dielectric Test, 6.0 kV (peak), 100 % test

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

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 22, red, blue, yellow and green  
 component wires; white jacket;  
 55PC2242-22-2/6/4/5-9

COLOR AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881.

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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