

# SPECIFICATION CONTROL DRAWING

55PC2211

TITLE

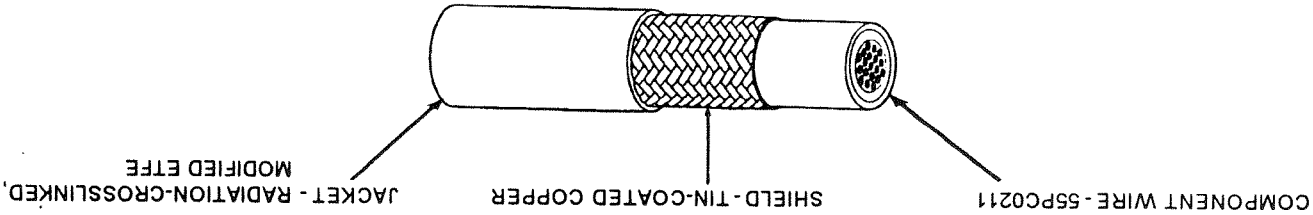
ONE CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT

Date

1-9-96

Revision

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



### CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS (± .0004)	JACKET THICKNESS (in.)		DIAMETER (in.)		WEIGHT (lbs/1000 ft.)
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	
55PC2211-26*	26	.0015	.0055	.0070	.052	.056	3.57
55PC2211-24*	24	.0015	.0055	.0070	.056	.060	4.18
55PC2211-22*	22	.0015	.0055	.0070	.062	.070	5.36
55PC2211-20*	20	.0015	.0055	.0070	.075	.079	7.24
55PC2211-18*	18	.0015	.0055	.0070	.080	.088	9.92
55PC2211-16*	16	.0015	.0055	.0070	.087	.096	12.04
55PC2211-14*	14	.0015	.0055	.0070	.102	.111	17.29
55PC2211-12*	12	.0015	.0060	.0075	.122	.132	25.19
55PC2211-10*	10	.0015	.0060	.0075	.145	.151	38.07

### 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)  
 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 dash separating the component wire color from the jacket color.  
 Example: AWG 24, white component wire;  
 white jacket: 55PC2211-24-9-9

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF STATING FOR BID.

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