

# SPECIFICATION CONTROL DRAWING

THREE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date

1-15-93

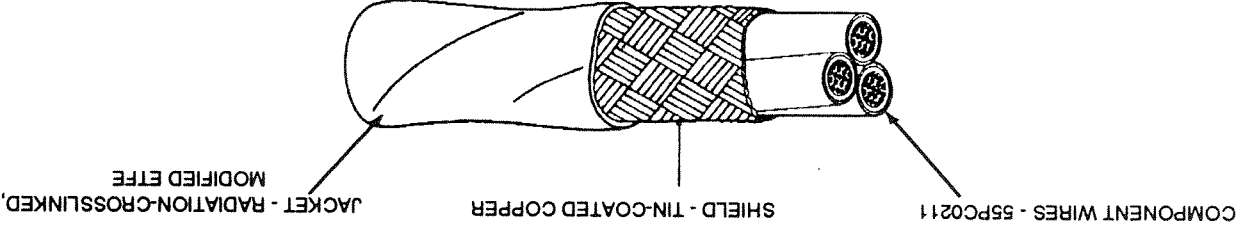
Revision

B

55PC1231

TITLE

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



### CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		DIAMETER (in.)		WEIGHT (lbs/1000 ft.)
			TARGET	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	
55PC1231-26*	26	38	.0055	.0070	.102	.107	9.89
55PC1231-24*	24	38	.0060	.0075	.113	.118	10.39
55PC1231-22*	22	38	.0060	.0075	.126	.131	12.93
55PC1231-20*	20	38	.0060	.0075	.144	.149	16.62
55PC1231-18*	18	38	.0060	.0080	.166	.171	16.62
55PC1231-16*	16	38	.0060	.0080	.182	.187	12.93
55PC1231-14*	14	38	.0060	.0080	.214	.219	30.81
55PC1231-12*	12	38	.0060	.0080	.254	.260	37.38
55PC1231-10*	10	36	.0070	.0090	.311	.320	77.19
							121.46

### 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  
 CROSSLINKING PROOF TEST: 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 and yellow component wires; white jacket: 55PC1231-22-2/6/4-9

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 OPERATION FOR BID.

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