

# SPECIFICATION CONTROL DRAWING

55PC1821

TITLE

TWO CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

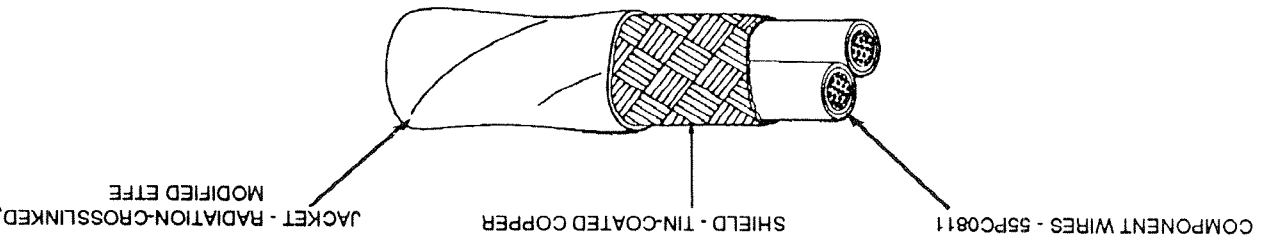
Date

1-22-93

Revision

A

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.)
			LOWER SPEC LIMIT	TARGET WALL	TARGET VALUE	UPPER SPEC LIMIT	
55PC1821-24*	24	38	.0055	.0070	.114	.118	10.77
55PC1821-22*	22	38	.0055	.0070	.126	.130	13.42
55PC1821-20*	20	38	.0055	.0070	.143	.147	17.56
55PC1821-18*	18	38	.0060	.0075	.163	.168	23.73
55PC1821-16*	16	38	.0060	.0075	.179	.184	28.48
55PC1821-14*	14	38	.0060	.0075	.210	.216	40.32
55PC1821-12*	12	38	.0060	.0080	.248	.254	56.80

### 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

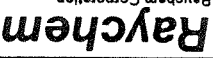
PART NUMBER:  
 The \*\*\* in the part numbers above shall be replaced by a color code designator with a slash separating the component wire colors and a dash separating the component colors from the jacket color.  
 Example: AWG 22, red and blue component wires; white jacket: 55PC1821-22-2/6-9

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

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 SUBMITTATION FOR BID.



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