



**THE DATASHEET OF**  
**34164**



# SPECIFICATION CONTROL DRAWING

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

Date 11-13-95

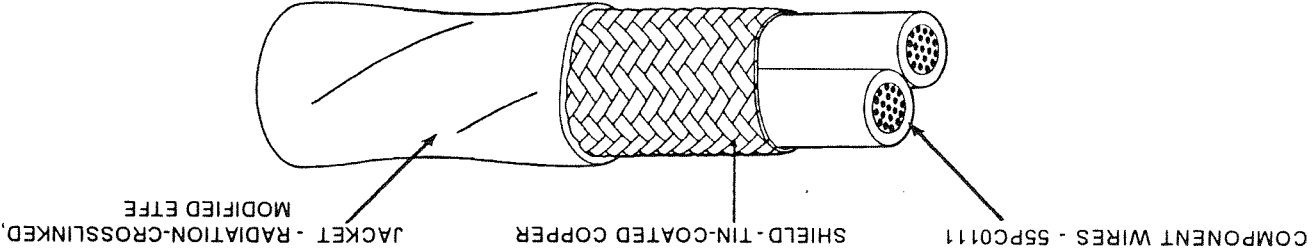
Revision

E

55PC2121

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.)		WEIGHT (lbs/1000 ft.)
			LOWER SPEC	TARGET	LOWER SPEC	TARGET	
55PC2121-24	24	.0015	.0060	.0075	.088	.093	6.48
55PC2121-22	22	.0015	.0060	.0075	.100	.105	8.68
55PC2121-20	20	.0015	.0060	.0080	.117	.122	12.86
55PC2121-18	18	.0015	.0060	.0080	.136	.141	18.09
55PC2121-16	16	.0015	.0060	.0080	.150	.156	22.25
55PC2121-14	14	.0015	.0065	.0085	.180	.186	32.62
55PC2121-12	12	.0015	.0070	.0090	.218	.225	48.31
55PC2121-10	10	.0015	.0075	.0095	.270	.278	74.50

### 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

The "\*\*\*\*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors from the jacket color.  
 Example: AWG 22, red and blue component wires; white jacket: 55PC2121-22-2/6-9

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

PART NUMBER:

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 INVITATION FOR BID.

**Raychem**

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