

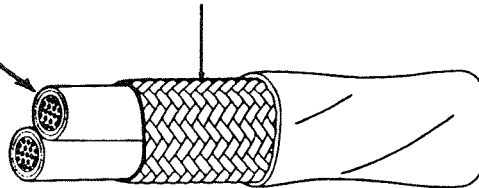
# SPECIFICATION CONTROL DRAWING

**55PC2222**TITLE  
TWO CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLTDate  
2-12-96Revision  
C

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

COMPONENT WIRES - 55PC0212

SHIELD - SILVER-COATED COPPER

JACKET - RADIATION-CROSSLINKED,  
MODIFIED ETFE

## CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS ( $\pm .0004$ )	JACKET THICKNESS (in.)		DIAMETER ( in. )			WEIGHT ( lbs/1000 ft. )	
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC2222-26-*	26	.0015	.0060	.0075	.087	.092	.097	5.88	6.38
55PC2222-24-*	24	.0015	.0060	.0075	.096	.101	.105	7.49	8.01
55PC2222-22-*	22	.0015	.0060	.0075	.108	.113	.118	9.84	10.48
55PC2222-20-*	20	.0015	.0060	.0080	.126	.131	.136	13.63	14.30
55PC2222-18-*	18	.0015	.0060	.0080	.144	.150	.155	18.85	19.72
55PC2222-16-*	16	.0015	.0060	.0080	.159	.165	.170	23.08	24.07
55PC2222-14-*	14	.0015	.0065	.0085	.190	.196	.201	33.59	34.76
55PC2222-12-*	12	.0015	.0070	.0090	.228	.235	.241	49.25	50.80
55PC2222-10-*	10	.0015	.0075	.0095	.276	.284	.291	74.61	76.79

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

### TEMPERATURE RATING: 200°C

Maximum continous conductor temperature

VOLTAGE RATING: 600 volts (rms)

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

CROSSLINK VERIFICATION: 300  $\pm$  3°C for 1 hour

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensil 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 24, red and blue component wires;  
white jacket: 55PC2222-24-2/6-9

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

**Raychem**Raychem Corporation  
300 Constitution Drive, Menlo Park, California 94025  
1-800-2 Raychem Fax: 1-415-361-6297

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[55PC2222-16-9/96-9CS2573](#)