

# SPECIFICATION CONTROL DRAWING

**55PC1212**

TITLE

ONE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date

4-18-95

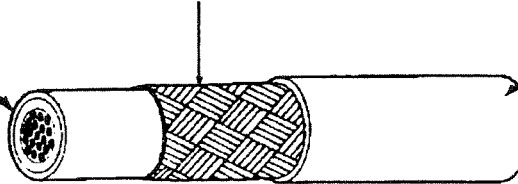
Revision

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

COMPONENT WIRE - 55PC0212

SHIELD - SILVER-COATED COPPER

JACKET - RADIATION-CROSSLINKED,  
MODIFIED ETFE



### CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	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
55PC1212-26-*	26	38	.0050	.0060	.060	.064	.068	4.40	4.68
55PC1212-24-*	24	38	.0050	.0060	.065	.069	.073	5.28	5.57
55PC1212-22-*	22	38	.0050	.0060	.071	.075	.079	6.59	6.89
55PC1212-20-*	20	38	.0050	.0060	.080	.083	.087	8.62	8.96
55PC1212-18-*	18	38	.0050	.0060	.089	.093	.097	11.43	11.84
55PC1212-16-*	16	38	.0050	.0060	.097	.100	.104	13.68	14.11
55PC1212-14-*	14	38	.0050	.0065	.112	.116	.120	19.28	19.85
55PC1212-12-*	12	38	.0050	.0065	.131	.135	.140	27.37	28.05
55PC1212-10-*	10	38	.0050	.0065	.154	.159	.164	40.25	41.30

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C  
 Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms)  
 CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour  
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz  
 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 22, white component wire;  
 white jacket: 55PC1212-22-9-9

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