

# SPECIFICATION CONTROL DRAWING

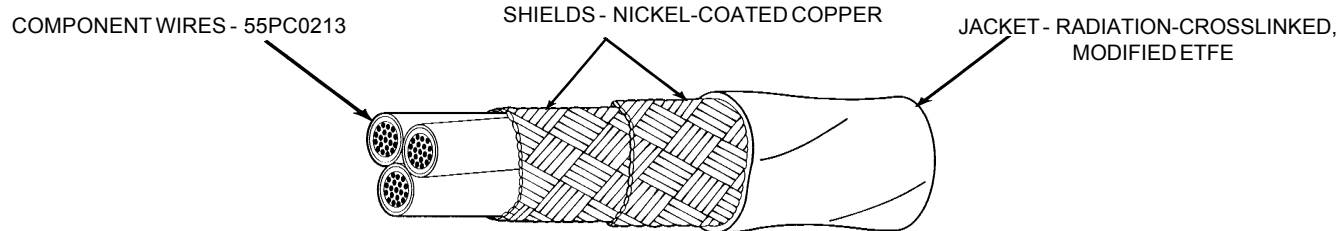
**55PC6173**

TITLE THREE CONDUCTOR CABLE, DOUBLE SHIELDED, JACKETED, 600 VOLT

Date 01-24-01

Revision A

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



CONSTRUCTION DETAILS										
PART NUMBER	CONDUCTOR SIZE (AWG)	INNER SHIELD SIZE (AWG)	OUTER SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
				LOWERSPEC LIMIT	TARGET WALL	LOWERSPEC LIMIT	TARGET VALUE	UPPERSPEC LIMIT	TARGET VALUE	UPPERSPEC LIMIT
55PC6173-24-*	24	38	38	.0060	.0075	.131	.136	.141	18.19	18.86
55PC6173-22-*	22	38	38	.0060	.0075	.144	.149	.154	22.44	23.16
55PC6173-20-*	20	38	38	.0060	.0080	.164	.169	.174	29.16	29.98
55PC6173-18-*	18	38	38	.0060	.0080	.184	.189	.194	38.20	39.21
55PC6173-16-*	16	38	38	.0060	.0080	.200	.205	.210	45.43	46.52
55PC6173-14-*	14	38	38	.0060	.0080	.232	.238	.244	62.82	64.19
55PC6173-12-*	12	38	38	.0065	.0085	.274	.280	.286	88.60	90.39
55PC6173-10-*	10	36	36	.0070	.0090	.334	.342	.350	137.46	140.22
55PC6173-8-*	8	36	34	.0070	.0090	.477	.488	.499	239.60	248.06

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°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), 100% test  
 Impulse Dielectric Test, 6.0 kV (peak), 100 % test  
 SHIELD COVERAGE: 85% (minimum) (each)

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):  
 1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:  
 The "\*" in the part numbers above shall be replaced by color code designators 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: 55PC6173-22-2/6/4-9

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