

# SPECIFICATION CONTROL DRAWING

**55PC1154**

TITLE

FIVE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

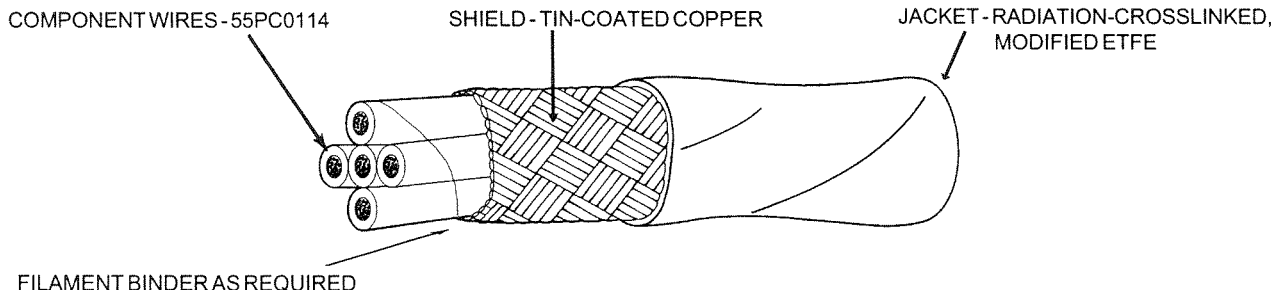
Date

06-13-00

Revision

**B**

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	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC1154-26-*	26	38	.0060	.0080	.108	.120	.131	13.53	14.13
55PC1154-24-*	24	38	.0060	.0080	.120	.133	.145	17.36	18.03
55PC1154-22-*	22	38	.0060	.0080	.136	.150	.163	23.08	23.84
55PC1154-20-*	20	38	.0065	.0085	.158	.173	.188	32.14	33.09
55PC1154-18-*	18	38	.0065	.0085	.183	.200	.217	45.04	46.20
55PC1154-16-*	16	38	.0070	.0090	.202	.222	.241	55.72	57.17

### 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), 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 22, red, blue, yellow, green and black component wires; white jacket: 55PC1154-22-2/6/4/5/0-9

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