

# SPECIFICATION CONTROL DRAWING

55PC6002

TITLE

ONE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date

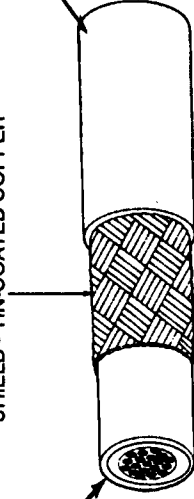
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Revision

A

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

COMPONENT WIRE - 55PC0816      SHIELD - TIN-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
55PC6002-24-*	24	38	.0050	.0060	.069	.073	.077	5.74	6.04
55PC6002-22-*	22	38	.0050	.0060	.075	.079	.083	7.07	7.40
55PC6002-20-*	20	38	.0050	.0060	.084	.087	.091	9.14	9.49
55PC6002-18-*	18	38	.0050	.0060	.084	.097	.101	12.06	12.51
55PC6002-16-*	16	38	.0050	.0060	.102	.105	.109	14.44	14.92

## 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 lb/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: 55PC6002-22-9-9

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 IN EFFECT ON DATE OF INVITATION FOR BID.

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