

# SPECIFICATION CONTROL DRAWING

55PC6124

TITLE

TWO CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

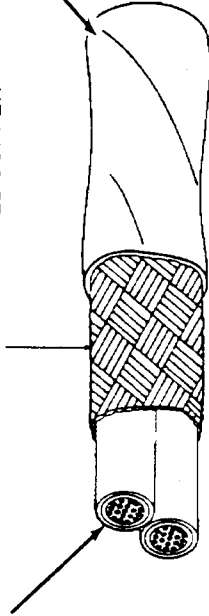
Date

1-23-98

Revision

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

COMPONENT WIRES - 55PC0114 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
55PC6124-26.*	26	38	.0050	.0065	.092	.096	6.86	7.22
55PC6124-24.*	24	38	.0050	.0065	.101	.105	8.55	8.91
55PC6124-22.*	22	38	.0050	.0065	.114	.119	11.10	11.60
55PC6124-20.*	20	38	.0055	.0070	.130	.134	14.95	15.44
55PC6124-18.*	18	38	.0055	.0070	.149	.154	20.40	21.03
55PC6124-16.*	16	38	.0055	.0070	.164	.169	24.81	25.54

## 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 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 slash separating the component wire colors and a dash separating the component wire colors from the jacket color  
Example: AWG 22, red and blue component wires, white jacket: 55PC6124-22-2/6-9

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

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