

SPECIFICATION CONTROL DRAWING

55PC6125

TITLE

THREE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date

1-23-98

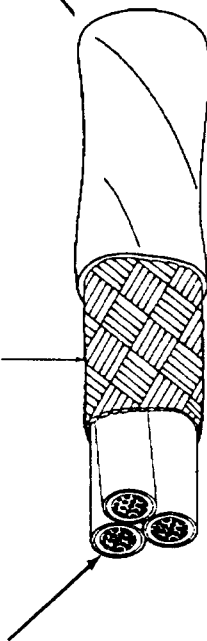
Revision

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	UPPERSPEC LIMIT	TARGET VALUE	UPPERSPEC LIMIT
55PC6125-26-*	26	38	.0055	.0070	.094	.098	.102	8.87	9.32
55PC6125-24-*	24	38	.0055	.0070	.104	.108	.113	11.23	11.67
55PC6125-22-*	22	38	.0060	.0075	.118	.122	.127	14.85	15.39
55PC6125-20-*	20	38	.0060	.0075	.135	.139	.144	20.30	20.91
55PC6125-18-*	18	38	.0060	.0075	.155	.160	.165	28.14	28.94
55PC6125-16-*	16	38	.0060	.0080	.172	.177	.182	34.67	35.57

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/in² (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, blue and yellow component wires; white jacket: 55PC6125-22-2/6/4-9

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN

DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF CITATION FOR BID

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[55PC6125-22-MST3-9CS3296](#) [55PC6125-24-3/6/9-9](#)