

SPECIFICATION CONTROL DRAWING

55PC6125

TITLE

THREE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date

1-23-98

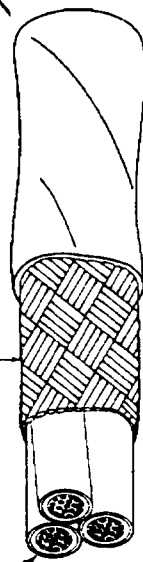
Revision

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	UPPER SPEC LIMIT	TARGET VALUE
			UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE
55PC6125-26-*	26	38	.0055	.0070	.098	.102	8.87	9.32
55PC6125-24-*	24	38	.0055	.0070	.108	.113	11.23	11.67
55PC6125-22-*	22	38	.0060	.0075	.122	.127	14.85	15.39
55PC6125-20-*	20	38	.0060	.0075	.139	.144	20.30	20.91
55PC6125-18-*	18	38	.0060	.0075	.160	.165	28.14	28.94
55PC6125-16-*	16	38	.0060	.0080	.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



Raychem Corporation
 300 Constitution Drive, Menlo Park, California 94025
 1-800-2 Raychem Fax 1-650-361-8