

SPECIFICATION CONTROL DRAWING

55PC6004

TITLE

THREE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

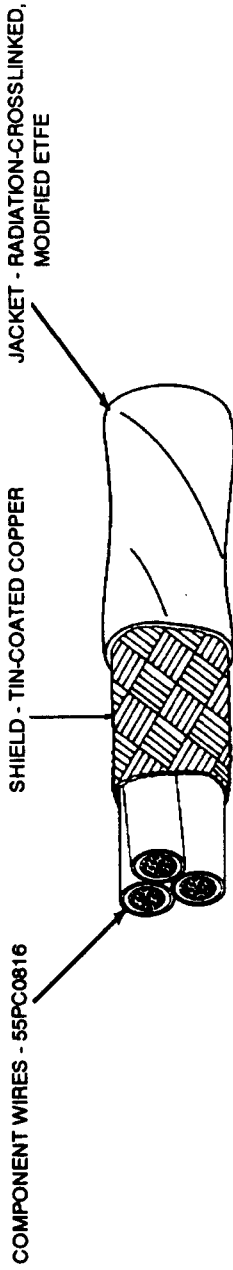
Date

1-25-93

Revision

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



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
			55PC6004-24*	24	38	.0055	.0070	.122	.127
55PC6004-22*	22	38	.0055	.0070	.134	.139	.144	17.27	17.90
55PC6004-20*	20	38	.0055	.0070	.153	.158	.162	23.07	23.76
55PC6004-18*	18	38	.0055	.0070	.175	.180	.186	31.61	32.53
55PC6004-16*	16	38	.0055	.0070	.192	.197	.203	38.39	39.43

CONSTRUCTION DETAILS

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/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: 55PC6004-22-2/6/4-9

COLOR AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881.