

SPECIFICATION CONTROL DRAWING

55PC6018

TITLE

FOUR CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT

Revision

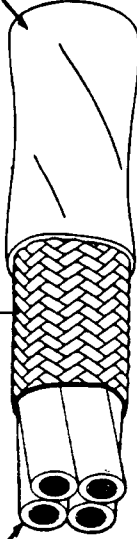
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Date

1-25-93

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

COMPONENT WIRES - 55PC0214 SHIELD - SILVER-COATED COPPER JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD THICKNESS (± 0004)	JACKET THICKNESS (in.)		DIAMETER (in.)		WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE
55PC6018-26*	26	.0015	.0065	.0085	.099	.114	.129	9.94
55PC6018-24*	24	.0015	.0070	.0090	.111	.127	.143	13.05
55PC6018-22*	22	.0015	.0070	.0090	.125	.143	.161	17.47
55PC6018-20*	20	.0015	.0070	.0090	.143	.165	.187	24.52
55PC6018-18*	18	.0015	.0075	.0095	.167	.191	.215	34.76
55PC6018-16*	16	.0015	.0075	.0095	.182	.210	.238	42.88
								44.35

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°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 24, red, blue, yellow and green component wires, white jacket: 55PC6018-24-2/6/4/5-9

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

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