

SPECIFICATION CONTROL DRAWING

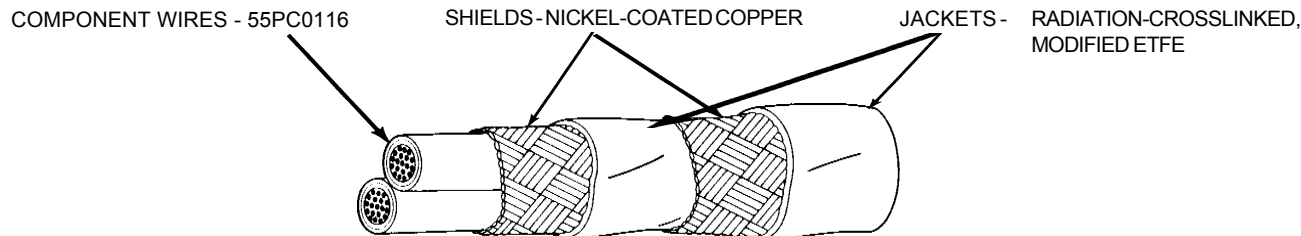
55PC6217

TITLE
TWO CONDUCTOR CABLE, DOUBLE SHIELDED,
DOUBLE JACKETED, 600 VOLT

Date
12-14-01

Revision

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



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	1ST SHIELD SIZE (AWG)	1ST JACKET THICKNESS (in.)		2ND SHIELD SIZE (AWG)	2ND JACKET THICKNESS (in.)		DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL		LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC6217-24-*	24	38	.0040	.0050	38	.0080	.0100	.129	.135	.141	19.57	20.66
55PC6217-22-*	22	38	.0040	.0050	38	.0080	.0100	.141	.147	.153	23.28	24.43
55PC6217-20-*	20	38	.0040	.0050	38	.0080	.0100	.157	.163	.169	28.71	30.01
55PC6217-18-*	18	38	.0040	.0050	38	.0080	.0100	.177	.183	.189	36.66	37.85
55PC6217-16-*	16	38	.0040	.0050	38	.0080	.0100	.192	.198	.204	42.64	43.90

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, conductor to conductor & shield

500 volts (rms), 60 Hz, shield to shield

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum) (each)

Tensile Strength, 5000 lbf/in² (minimum) (each)

JACKET FLAWS:

Spark Test, 1000 volts (rms), 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100% test

SHIELD COVERAGE: 85% (minimum) each shield

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):

1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:

The "*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors, a dash separating the component wire colors from the inner jacket color and a dash separating the inner jacket color from the outer jacket color.

Example: AWG 22, red and blue component wires;

white inner jacket and white outer jacket:

55PC6217-22-2/6-9-9

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

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