

SPECIFICATION CONTROL DRAWING

55PC2231

TITLE
THREE CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT

Date
1-9-96

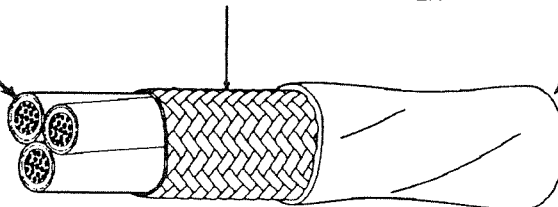
Revision

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

COMPONENT WIRES-55PC0211

SHIELD-TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND 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	UPPER SPEC LIMIT
55PC2231-26-*	26	.0015	.0060	.0080	.094	.099	.104	7.91	8.50
55PC2231-24-*	24	.0015	.0060	.0080	.103	.109	.114	9.76	10.42
55PC2231-22-*	22	.0015	.0065	.0085	.117	.123	.128	13.20	13.92
55PC2231-20-*	20	.0015	.0065	.0085	.135	.141	.146	18.44	19.25
55PC2231-18-*	18	.0015	.0065	.0085	.156	.161	.167	26.00	27.05
55PC2231-16-*	16	.0015	.0070	.0090	.173	.179	.184	32.26	33.46
55PC2231-14-*	14	.0015	.0070	.0090	.205	.211	.217	47.33	48.81
55PC2231-12-*	12	.0015	.0070	.0090	.246	.252	.259	69.85	71.67
55PC2231-10-*	10	.0015	.0075	.0095	.297	.305	.313	106.97	109.77

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

CROSSLINK VERIFICATION: 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 and yellow component wires; white jacket: 55PC2231-24-2/6/4-9

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