

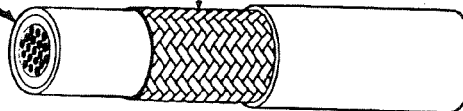
SPECIFICATION CONTROL DRAWING

55PC2212TITLE
ONE CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLTDate
1-12-96Revision
B

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

COMPONENT WIRE - 55PC0212

SHIELD - SILVER-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE

CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS ($\pm .0004$)	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
55PC2212-26-*	26	.0015	.0055	.0070	.052	.056	.060	3.25	3.57
55PC2212-24-*	24	.0015	.0055	.0070	.056	.060	.064	3.84	4.18
55PC2212-22-*	22	.0015	.0055	.0070	.062	.066	.070	4.99	5.36
55PC2212-20-*	20	.0015	.0055	.0070	.070	.075	.079	6.81	7.24
55PC2212-18-*	18	.0015	.0055	.0070	.080	.084	.088	9.39	9.92
55PC2212-16-*	16	.0015	.0055	.0070	.087	.092	.096	11.46	12.04
55PC2212-14-*	14	.0015	.0055	.0070	.102	.107	.111	16.58	17.29
55PC2212-12-*	12	.0015	.0060	.0075	.122	.127	.132	24.31	25.19
55PC2212-10-*	10	.0015	.0060	.0075	.145	.151	.156	36.71	38.07

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

CROSSLINK VERIFICATION: 300 $\pm$ 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 dash separating the component wire color from the jacket color.

Example: AWG 24, white component wire;

white jacket: 55PC2212-24-9-9

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

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