

SPECIFICATION CONTROL DRAWING

55PC2221

TITLE

TWO CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED,
GENERAL PURPOSE, 600 VOLT

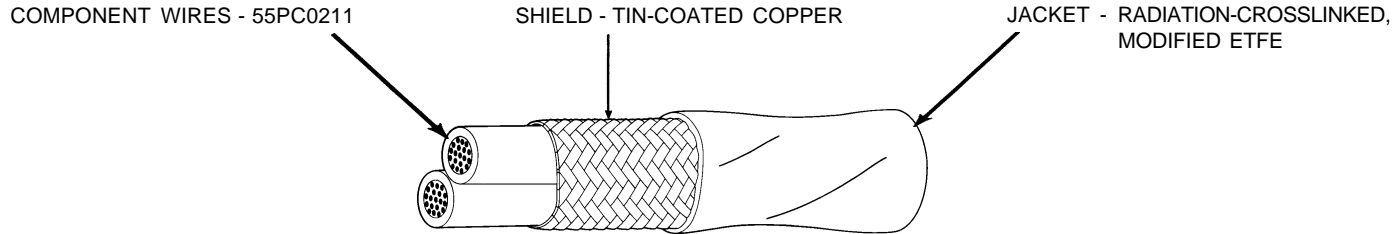
Date

4-19-06

Revision

C

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



CONSTRUCTION DETAILS

PART NUMBER 1/	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
55PC2221-24-*	24	.0015	.0060	.0075	.096	.101	.105	7.49	8.01
55PC2221-22-*	22	.0015	.0060	.0075	.108	.113	.118	9.84	10.48
55PC2221-20-*	20	.0015	.0060	.0080	.126	.131	.136	13.63	14.30
55PC2221-18-*	18	.0015	.0060	.0080	.144	.150	.155	18.85	19.72
55PC2221-16-*	16	.0015	.0060	.0080	.159	.165	.170	23.08	24.07
55PC2221-14-*	14	.0015	.0065	.0085	.190	.196	.201	33.59	34.76
55PC2221-12-*	12	.0015	.0070	.0090	.228	.235	.241	49.25	50.80
55PC2221-10-*	10	.0015	.0075	.0095	.276	.284	.291	74.61	76.79

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

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)

Impulse Dielectric Test, 6.0 kV (peak)

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.

1/ Example: AWG 22, red and blue component wires;
white jacket: 55PC2221-22-2/6-9

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.

Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, AN ALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "901/902..." MAY BE REPLACED BY "Axxx".) OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.

DIMENSIONS ARE IN INCHES AND, UNLESS OTHERWISE DESIGNATED, ARE NOMINAL

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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[55PC2221-16-2/6-9CS2502](#) [55PC2221-22-2/6-9CS2502](#) [55PC2221-22-2/6-9CS2970](#) [55PC2221-18-2/6-9CS2502](#)
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