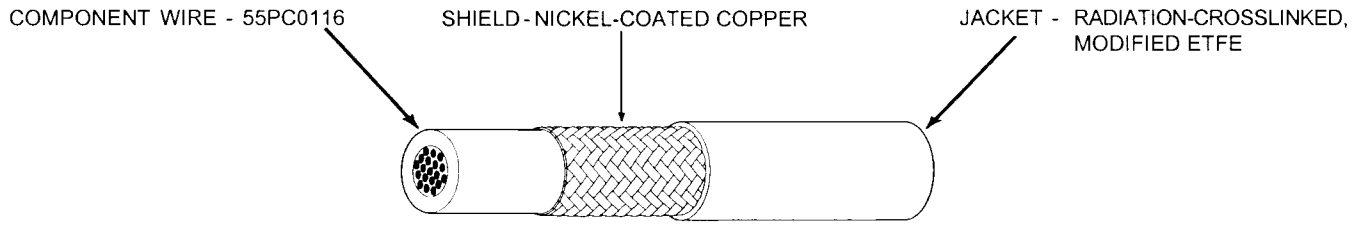
SPECIFICATION CONTROL DRAWING

55PC6142

TITLE	Date	Revision
ONE CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT	12-21-99	B

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



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
55PC6142-26-*	26	.0015	.0055	.0070	.047	.051	.055	2.73	3.01
55PC6142-24-*	24	.0015	.0055	.0070	.052	.056	.060	3.51	3.82
55PC6142-22-*	22	.0015	.0055	.0070	.058	.062	.066	4.63	4.97
55PC6142-20-*	20	.0015	.0055	.0070	.066	.070	.074	6.36	6.75
55PC6142-18-*	18	.0015	.0055	.0070	.075	.080	.084	8.89	9.41
55PC6142-16-*	16	.0015	.0055	.0070	.083	.087	.092	10.93	11.48
55PC6142-14-*	14	.0015	.0055	.0070	.097	.102	.106	15.89	16.57
55PC6142-12-*	12	.0015	.0060	.0075	.117	.122	.127	23.55	24.40
55PC6142-10-*	10	.0015	.0060	.0075	.142	.148	.154	36.13	37.42

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
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 22, white component wire;
white jacket: 55PC6142-22-9-9

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

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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