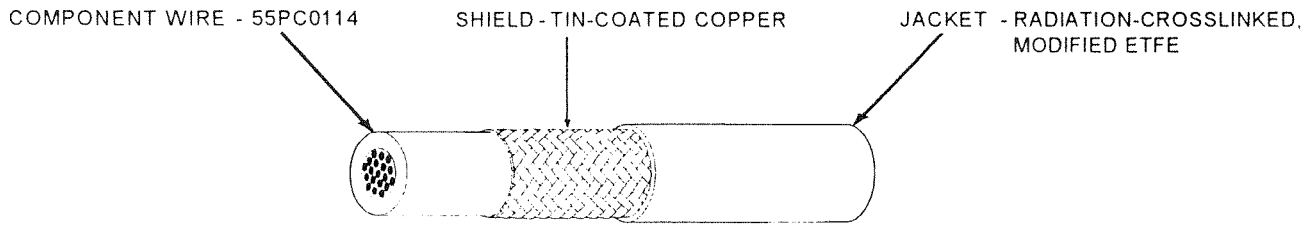
SPECIFICATION CONTROL DRAWING

55PC2114

TITLE	Date	Revision
ONE CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT	5-15-97	E

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
55PC2114-26-*	26	.0015	.0055	.0070	.047	.051	.055	2.73	3.01
55PC2114-24-*	24	.0015	.0055	.0070	.052	.056	.060	3.51	3.82
55PC2114-22-*	22	.0015	.0055	.0070	.058	.062	.066	4.63	4.97
55PC2114-20-*	20	.0015	.0055	.0070	.066	.070	.074	6.36	6.75
55PC2114-18-*	18	.0015	.0055	.0070	.075	.080	.084	8.89	9.41
55PC2114-16-*	16	.0015	.0055	.0070	.083	.087	.092	10.93	11.48

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 dash separating the component wire color from the jacket color.
Example: AWG 22, white component wire; white jacket: 55PC2114-22-9-9

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

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

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