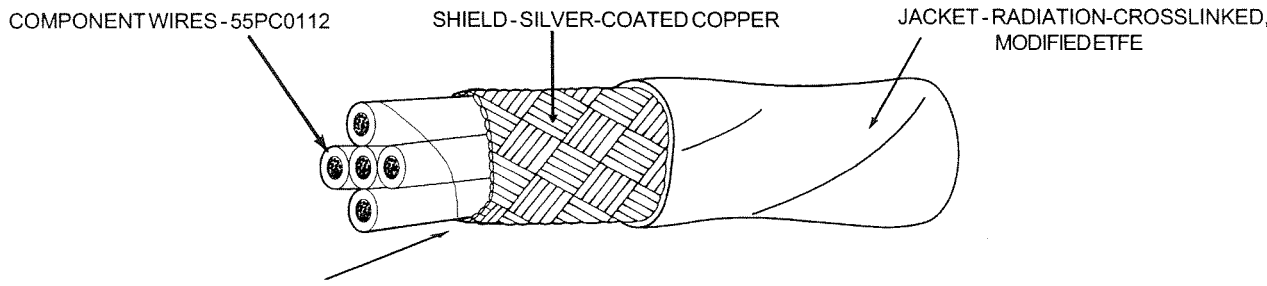
SPECIFICATION CONTROL DRAWING

55PC1152

TITLE	Date	Revision
FIVE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT	06-13-00	A

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



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	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
55PC1152-24-*	24	38	.0060	.0080	.120	.133	.145	17.36	18.03
55PC1152-22-*	22	38	.0060	.0080	.136	.150	.163	23.08	23.84
55PC1152-20-*	20	38	.0065	.0085	.158	.173	.188	32.14	33.09
55PC1152-18-*	18	38	.0065	.0085	.183	.200	.217	45.04	46.20
55PC1152-16-*	16	38	.0070	.0090	.202	.222	.241	55.72	57.17
55PC1152-14-*	14	38	.0075	.0095	.244	.265	.285	81.33	83.20
55PC1152-12-*	12	36	.0080	.0100	.298	.324	.349	124.41	126.93

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
CROSSLINKING PROOF TEST: 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), 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 22, red, blue, yellow, green and black component wires; white jacket: 55PC1152-22-2/6/4/5/0-9

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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