

SPECIFICATION CONTROL DRAWING

55A7345

TITLE

TWO CONDUCTOR CABLE,
SHIELDED, JACKETED, 600 VOLT

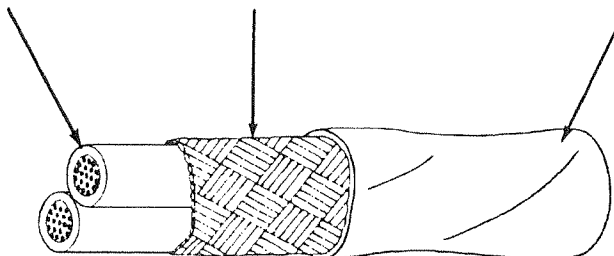
Date

8-29-96

Revision

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

COMPONENT WIRES - 55A0116 SHIELD - TIN-COATED COPPER JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A7345-26-*	26	38	.006	.008	.097	.102	8.3
55A7345-24-*	24	38	.006	.008	.107	.112	10.2
55A7345-22-*	22	38	.006	.008	.119	.125	12.9

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

ACCELERATED AGING: 300 ± 3°C for 7 hours

BLOCKING: 200 ± 3°C for 6 hours

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

FLAMMABILITY:

Procedure 1, 3 seconds (maximum); 3 in. (maximum);
no flaming of facial tissue

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

LIFE CYCLE: 200 ± 3°C for 168 hours

LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours

SHIELD COVERAGE: 90% (minimum)

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):
1000 volts (rms), 60 Hz

PART NUMBER:

The "*" in the part numbers above shall be replaced
by color code designators with a slash separating
the component wire colors and a dash separating
the component wire colors from the jacket color.Example: AWG 22, white and black component
wires; white jacket: 55A7345-22-9/0-9NOTE: Nominal values are for information only.
Nominal values are not requirements.

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

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

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