

SPECIFICATION CONTROL DRAWING

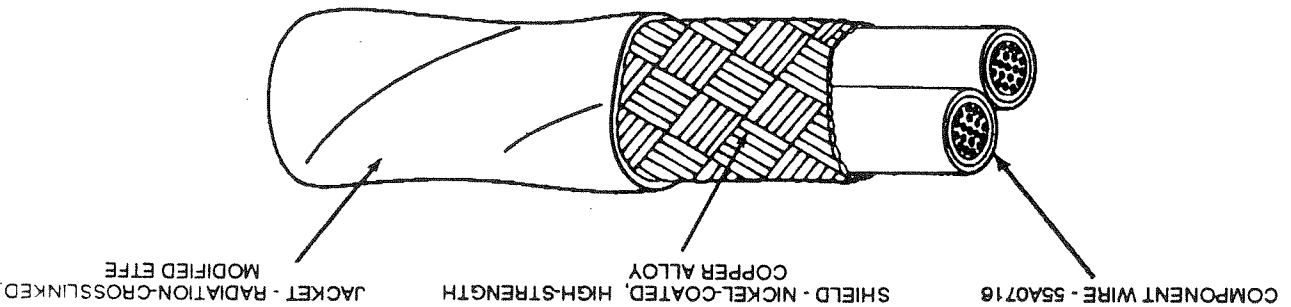
55A7027

TWO CONDUCTOR, SHIELDED, JACKETED

Date 12-21-90

Revision

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



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000 ft)
			NOMINAL	MINIMUM		
55A7027-26*	26	38	.008	.008	1.42	12.6
55A7027-24*	24	38	.008	.008	1.52	14.7
55A7027-22*	22	38	.008	.008	1.57	17.5
55A7027-20*	20	38	.008	.008	1.73	22.0
55A7027-18*	18	38	.008	.008	1.93	28.8
55A7027-16*	16	38	.008	.008	2.07	33.6

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C
 Maximum continuous conductor temperature
 VOLTAGE RATING: 600 volts (rms)
 ACCELERATED AGING: 300 ± 3°C for 7 hours
 BLOCKING: 200 ± 3°C for 8 hours
 DIELECTRIC WITHSTAND: 1500 volts, 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 lb/in² (minimum)
 JACKET FLAWS:
 Spark Test, 1000 volts, 60 Hz (rms), 100% test
 Impulse Dielectric Test, 6.0 kV (peak), 100% test
 LIFE CYCLE: 230 ± 3°C for 500 hours

NOTE: Nominal values are for information only.
 Nominal values are not requirements.

LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours
 SHIELD COVERAGE: 85% (minimum)
 THERMAL SHOCK: 300 ± 3°C for 8 hours
 VOLTAGE WITHSTAND TEST: (After Accelerated Aging
 Immersion, Life Cycle, Low Temperature-Cold Bend
 and Thermal Shock) 1000 volts, 60 Hz, 1 minute

PART NUMBER:
 The part numbers above shall be replaced by
 color code designators with slashes separating component
 wire colors and a dash separating the component wire
 colors from the jacket color.
 Example: AWG 20, white and black component wires
 white jacket 55A7027-20-9/0-9

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COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881C
 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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