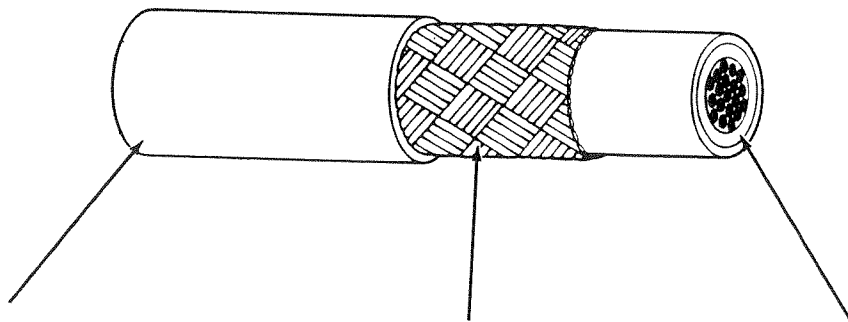


SPECIFICATION SHEET

CABLE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED, ONE CONDUCTOR, SHIELDED, JACKETED, NORMAL WEIGHT

200°C

The complete requirements for procuring the cable described herein shall consist of this document and the issue in effect of Raychem Specification 55A.



JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE

SHIELD - SILVER-COATED COPPER

COMPONENT WIRE - 55A0814

CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL \bar{I}	NOMINAL \bar{I}	MAXIMUM	
55A6050-30-*	38	38	.006	.008	.065	.070	4.0
55A6050-28-*	38	38	.006	.008	.073	.078	4.5
55A6050-26-*	38	38	.006	.008	.073	.078	5.3
55A6050-24-*	38	38	.006	.008	.073	.078	5.3
55A6050-22-*	38	38	.006	.008	.084	.089	7.9
55A6050-20-*	38	38	.006	.008	.092	.097	10.0

\bar{I} / Nominal values are for information only. Nominal values are not requirements.

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 6 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 lbf/in² (minimum)
 JACKET FLAMS:
 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
 LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours
 SHIELD COVERAGE: 85% (minimum)
 THERMAL SHOCK: 300 ± 3°C for 6 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 "*" in the part numbers above shall be replaced by color code designators in accordance with MIL-STD-681 with a dash separating the component wire color from the jacket color.
 Example:
 AWG 20, white component wire,
 white jacket: 55A6050-20-9-9.

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