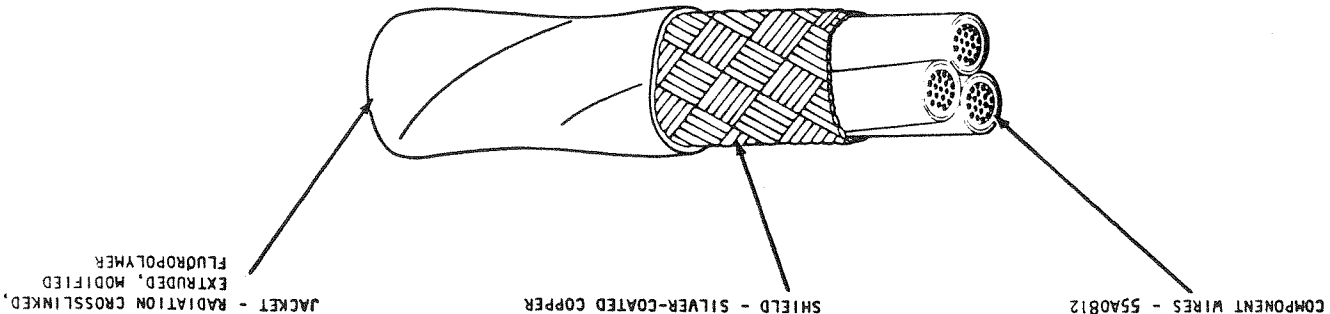


CABLE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED, THREE CONDUCTOR, SHIELDED, JACKETED, NORMAL WEIGHT

27 April 1981

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



200°C

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)			OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL 1/	NOMINAL 1/	MAXIMUM 1/	MAXIMUM	
55A1832-26*	26	38	.0060	.0075	.119	.125	11.8	
55A1832-24*	24	38	.0060	.0075	.130	.136	14.7	
55A1832-22*	22	38	.0060	.0075	.143	.149	18.9	
55A1832-20*	20	38	.0060	.0075	.160	.167	24.9	
55A1832-18*	18	38	.0060	.0075	.184	.191	34.0	
55A1832-16*	16	38	.0060	.0075	.201	.209	41.4	
55A1832-14*	14	38	.0070	.0085	.240	.248	59.4	
55A1832-12*	12	38	.0070	.0085	.277	.287	83.7	

1/ 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
 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 psi (minimum)
 JACKET FLAMS:
 Spark test, 1000 volts, 60 Hz (rms), 100% test
 Impulse Dielectric Test, 6.0 kV (peak), 100% test

PART NUMBER:
 The "*" in the part numbers above shall be replaced by color code designators in accordance with MIL-STD-681 with a slash separating component wire colors and a dash separating the component wire colors from the jacket color.
 Example: AWG 20, white, black, and red component wires; white jacket: 55A1832-20-9/0/2-9.

LIFE CYCLE: 230 ± 3°C for 500 hours
 LOW TEMPERATURE-COLD BEND: -65 ± 3°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

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