

SPECIFICATION SHEET

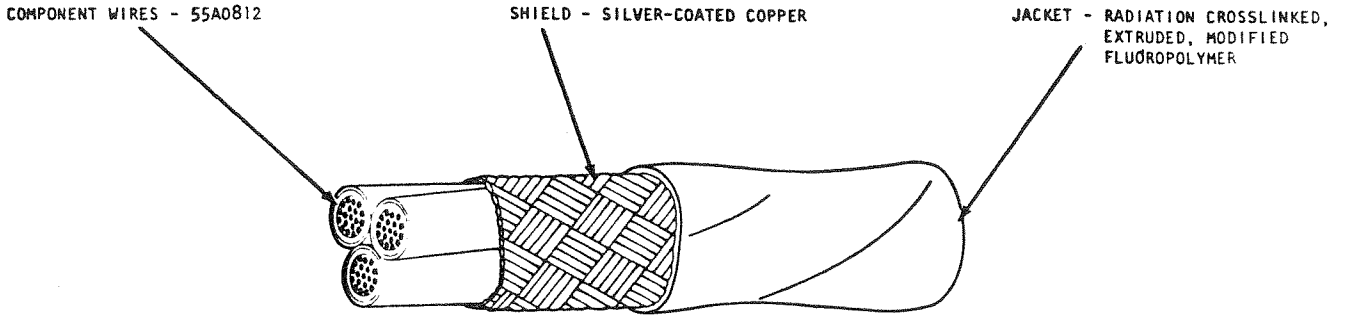
55A1832

27 April 1981

CABLE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED, THREE 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.



CABLE CONSTRUCTION DETAILS							
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	
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

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 psi (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

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

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

[55A1832-22-9/93/96-9](#) [55A1832-22-53/56/59-5](#) [55A1832-6-ST3-9CS2275](#) [55A1832-18-3/6/9-9](#) [55A1832-2-ST3-9CS2275](#) [55A1832-20-23/26/29-2](#) [55A1832-14-3/6/9-9CS2199](#) [55A1832-22-3/6/9-9](#) [55A1832-22-4/5/6-3CS356](#) [55A1832-24-4/5/6-3CS356](#) [55A1832-20-3/6/9-9CS2275](#) [55A1832-22-3/6/9-9CS2275](#) [55A1832-16-3/6/9-9CS2275](#) [55A1832-22-3/6/9-9CS2199](#) [55A1832-20-3/6/9-9CS2199](#) [55A1832-20-3/6/9-9](#) [55A1832-20-ST3-9CS2275](#) [55A1832-18-MST3-9CS2275-1KF](#) [55A1832-8-ST3-9CS2275](#) [55A1832-2-SL3-9CS2199](#) [55A1832-26-ST3-9CS2275](#) [55A1832-24-6/63/69-6](#)