

**55A1826**

15 March 1983  
Revision A

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

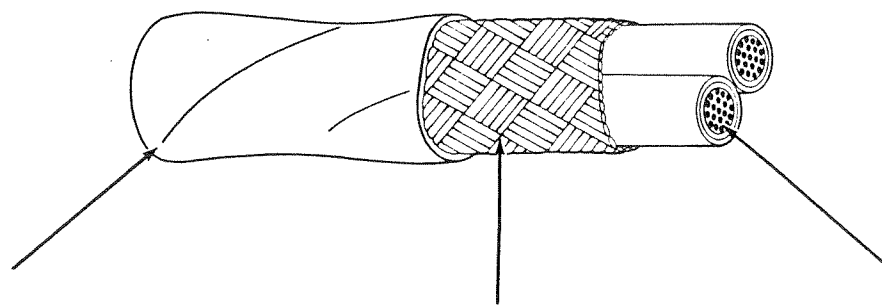
SPECIFICATION SHEET

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 - NICKEL-COATED COPPER

COMPONENT WIRES - 55A0816



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		NOMINAL I/ (inches)	NOMINAL I/ (inches)	MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	MAXIMUM			
55A1826-26*	38	38	.006	.113	.129	.119	9.6
55A1826-24*	38	38	.006	.123	.129	.119	11.4
55A1826-22*	38	38	.006	.135	.142	.142	14.5
55A1826-20*	38	38	.006	.151	.159	.159	18.7
55A1826-18*	38	38	.006	.173	.182	.182	25.3
55A1826-16*	38	38	.006	.189	.198	.198	30.4

I/ Nominal values are for information only. Nominal values are not 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 FLAME:  
Spark test, 1000 volts, 60 Hz (rms), 100% test  
Impulse Dielectric test, 6.0 kV (peak), 100% test

JACKET COLOR: white preferred  
JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)  
Tensile Strength, 5000 psi (minimum)

JACKET FLAME:  
Spark test, 1000 volts, 60 Hz (rms), 100% test  
Impulse Dielectric test, 6.0 kV (peak), 100% test

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

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 and black component wires;  
white jacket: 55A1826-20-9/0-9.

JACKET COLOR:  
JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)  
Tensile Strength, 5000 psi (minimum)

JACKET FLAME:  
Spark test, 1000 volts, 60 Hz (rms), 100% test  
Impulse Dielectric test, 6.0 kV (peak), 100% test

Raychem Corporation  
300 Constitution Drive, Menlo Park, California 94025  
4151 361 3333 TWX 910 373 1205

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Multi-Conductor Cables](#) category:*

*Click to view products by [TE Connectivity](#) manufacturer:*

Other Similar products are found below :

[89182-010-1000](#) [89705-008-500](#) [89842-002-1000](#) [6000FE-877-1000](#) [6120UL-002-1000](#) [CS2885-000](#) [M27500-20SP2S23](#) [6300FE-877-U1000](#) [6309UE-877-1000](#) [M3905-BK005](#) [6502FE 8771000](#) [6541PA-008-U1000](#) [CV6807-000](#) [CW9530-000](#) [CX6543-000](#) [CXA-0066-20-4-9CS2973](#) [CXA-0078-16-1-9CS2405](#) [CXA-0078-22-4-9CS2405](#) [CXA-0078-24-4-9CS2405](#) [CXA-0140-16-6/9-9CS2405](#) [CY0660-000](#) [720451-000](#) [752687-000](#) [768146-000](#) [773159-000](#) [82841-877-5000](#) [83318E-009-500](#) [8348-060-500](#) [83559-002-1000](#) [83653-002-5000](#) [83659-002-1000](#) [83709-002-1000](#) [8404-060-500](#) [8469 060100](#) [858171-000](#) [8628-060-500](#) [868361-001](#) [8730-060-1000](#) [8737-060-U1000](#) [8747-060-100](#) [8747-060-1000](#) [8769-060-1000](#) [8775-060-500](#) [8780-060-1000](#) [8782-001-U1000](#) [88444-002-1000](#) [9159-060-500](#) [9318-060-1000](#) [939870-000](#) [9423 060U500](#)