

# SPECIFICATION CONTROL DRAWING

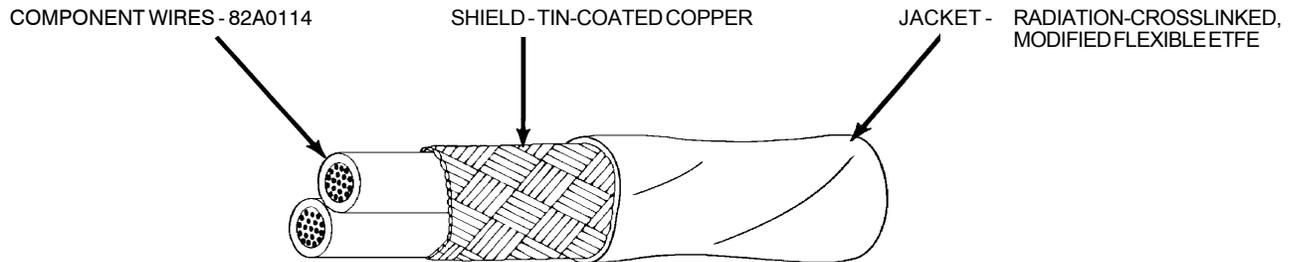
**82A1124**

TITLE RADIATION-CROSSLINKED, MODIFIED, FLUOROPOLYMER-INSULATED, TWO CONDUCTOR CABLE, SHIELDED, JACKETED, LIGHTWEIGHT, FLEXIBLE

Date 01-22-03

Revision A

This specification sheet forms a part of the latest issue of Raychem Specification 80.



### CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
82A1124-26-*	26	38	.006	.009	.101	.106	8.5
82A1124-24-*	24	38	.006	.009	.109	.114	10.5
82A1124-22-*	22	38	.007	.010	.123	.129	13.3

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C  
 Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms)  
 CROSSLINKING PROOF TEST: 300 ± 3°C for 1 hours,  
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz  
 JACKET COLOR: White preferred  
 JACKET ELONGATION AND TENSILE STRENGTH:  
 Elongation, 100% (minimum)  
 Tensile Strength, 3000 lbf/in<sup>2</sup> (minimum)  
 JACKET FLAWS:  
 Spark Test, 1500 volts (rms), 100% test  
 Impulse Dielectric Test, 6.0 kV (peak), 100% test

SHIELD COVERAGE: 85% (minimum)  
 VOLTAGE WITHSTAND (POST ENVIRONMENTAL):  
 1000 volts (rms), 60 Hz, 1 minute

#### PART NUMBER

The "\*" in the part numbers above shall be replaced by a color code designator with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.  
 Example: AWG 24, white and red component wires; white jacket: 82A1124-24-9/2-9

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

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Electronics

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