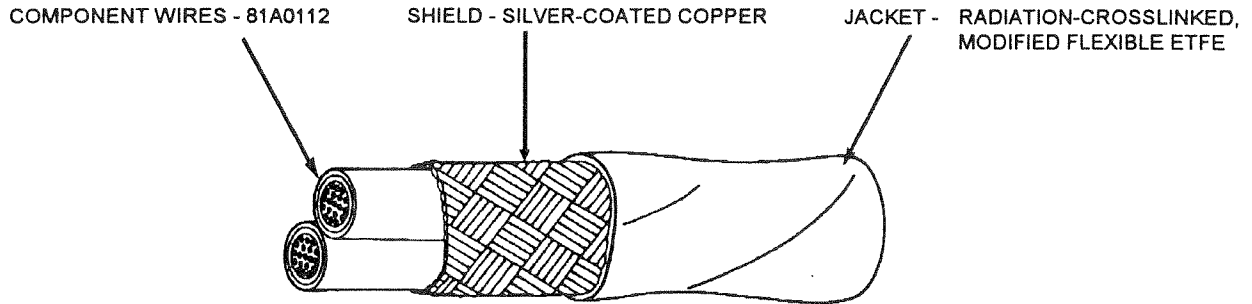


SPECIFICATION CONTROL DRAWING

81A1122

TITLE	TWO CONDUCTOR CABLE, SHIELDED, JACKETED, FLEXIBLE	Date	1-24-96	Revision	A
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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 (lbs/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
81A1122-26-*	26	38	.006	.009	.097	.102	8.0
81A1122-24-*	24	38	.006	.009	.107	.112	9.9
81A1122-22-*	22	38	.007	.010	.121	.127	13.0
81A1122-20-*	20	38	.007	.010	.139	.146	17.5
81A1122-18-*	18	38	.007	.011	.161	.169	24.3
81A1122-16-*	16	38	.008	.012	.177	.186	29.6
81A1122-14-*	14	38	.009	.013	.209	.219	41.9

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
 Maximum continuous conductor temperature
 VOLTAGE RATING: 600 volts (rms)
 BLOCKING: 150°C ± 3°C for 6 hours
 CROSSLINKING PROOF TEST: 300 ± 3°C for 1 hour
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
 FLAMMABILITY: Procedure 1, 3 seconds (maximum); 3 inch (maximum)
 JACKET COLOR: White preferred
 JACKET ELONGATION AND TENSILE STRENGTH:
 Elongation, 100% (minimum)
 Tensile Strength, 3000 lbf/in² (minimum)
 JACKET FLAWS:
 Spark Test, 1500 volts (rms), 60 Hz, 100% test or
 Impulse Dielectric Test, 6.0 kV (peak), 100% test

LOW TEMPERATURE-COLD BEND: -65 ± 3°C
 SECANT MODULUS: 4.0 X 10⁴ lbf/in² (maximum), 2% strain, 2 in. Jaw separation, 0.2 in./minute, procedural reference ASTM D 882
 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 color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.
 Example: AWG 14, white and black component wires; white jacket: 81A1122-14-9/0-9

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

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

Raychem

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