

SPECIFICATION CONTROL DRAWING

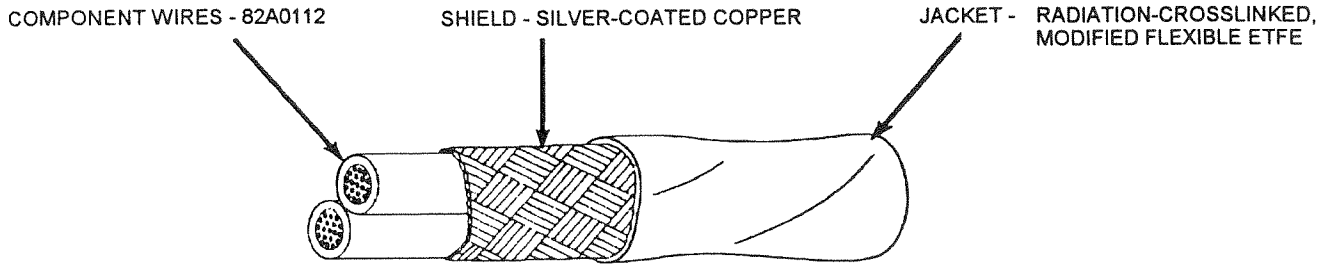
82A1122

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

Date 1-19-96

Revision

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	
82A1122-26-*	26	38	.006	.009	.101	.106	8.5
82A1122-24-*	24	38	.006	.009	.109	.114	10.5
82A1122-22-*	22	38	.007	.010	.123	.129	13.3
82A1122-20-*	20	38	.007	.011	.145	.152	17.8
82A1122-18-*	18	38	.008	.012	.169	.177	25.1
82A1122-16-*	16	38	.009	.013	.201	.211	35.2

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

BLOCKING: 150 ± 3°C for 6 hours

CROSSLINKING PROOF TEST: 300 ± 3°C for 1 hour,

15 in. specimen with sufficient weight to keep straight

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

FLAMMABILITY: Procedure 1, 3 seconds (maximum);

3 in. (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

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 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 20, white and red component wires; white jacket: 82A1122-20-9/2-9

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881.

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

Raychem

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