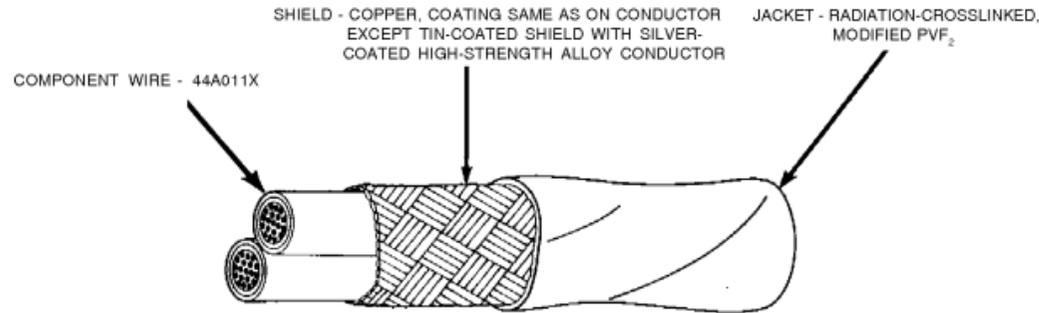


SPECIFICATION CONTROL DRAWING		44A112X	
TITLE	TWO CONDUCTOR CABLE, SHIELDED, JACKETED, GENERAL PURPOSE, 600 VOLT	Date	28MAR11
		Revision	G1
This specification sheet forms a part of the latest issue of Raychem Specification 44.			



PART NUMBER 1/	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
44A112X-26-*	26	38	.006	.008	.102	.107	8.1
44A112X-24-*	24	36	.006	.008	.118	.123	11.3
44A112X-22-*	22	36	.006	.008	.132	.137	14.5
44A112X-20-*	20	36	.006	.008	.148	.153	18.8
44A112X-18-*	18	36	.007	.009	.170	.175	25.7
44A112X-16-*	16	36	.007	.009	.184	.189	30.2
44A112X-14-*	14	36	.007	.009	.218	.225	43.2
44A112X-12-*	12	36	.007	.009	.256	.265	61.5
44A112X-10-*	10	36	.008	.010	.299	.314	86.3

PART NUMBER 1/	BEND TESTING			
	MANDREL DIAMETER (inch) (± 3%)		WEIGHT (lb) (± 3%)	
	LIFE CYCLE, IMMERSION AND ACCELERATED AGING	COLD BEND	LIFE CYCLE, IMMERSION AND ACCELERATED AGING	COLD BEND
44A112X-26-*	3.00	3.00	.250	1.50
44A112X-24-*	3.00	3.00	.375	1.50
44A112X-22-*	6.00	6.00	.375	3.00
44A112X-20-*	6.00	6.00	.375	3.00
44A112X-18-*	6.00	6.00	.500	3.00
44A112X-16-*	6.00	6.00	.500	3.00
44A112X-14-*	6.00	6.00	1.00	9.00
44A112X-12-*	10.0	10.0	1.00	9.00
44A112X-10-*	10.0	10.0	1.00	9.00



TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

ACCELERATED AGING: 300 ± 3°C for 6 hours

BLOCKING: 150 ± 3°C for 6 hours

DIELECTRIC WITHSTAND: 2500 volts (rms), 60 Hz, 1 minute

FLAMMABILITY: 30 seconds (maximum); 3 in. (maximum); no flaming of facial tissue

IMMERSION: Diameter increase 5% (maximum); no cracking, no dielectric breakdown

JACKET COLOR: White preferred

JACKET CONCENTRICITY: 70% (minimum)

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 200% (minimum)

Tensile Strength, 4000 lbf/in² (minimum)

JACKET FLAWS:

Spark Test, 1.5 kV (rms)

Impulse Dielectric Test, 6.0 kV (peak)

LIFE CYCLE: 200 ± 3°C for 168 hours

LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours

SHIELD COVERAGE: 85% (minimum)

VOLTAGE WITHSTAND TEST (Post Environmental) : 1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:

The "X" in the part numbers on page 1 shall be replaced by the applicable conductor material designator as follows:

- 1 tin-coated copper
- 2 silver-coated copper
- 3 nickel-coated copper
- 4 silver-coated high strength copper alloy (AWG's 26-16 only)
- 6 nickel-coated high strength copper alloy (AWG's 26-20 only)

The "" in the part numbers on page 1 shall be replaced by color code designators with a slash separating component wire colors and a dash separating the component wire color from the jacket color.

1/ Example: AWG 20, tin-coated copper, black and white component wires;
white jacket: 44A1121-20-0/9-9