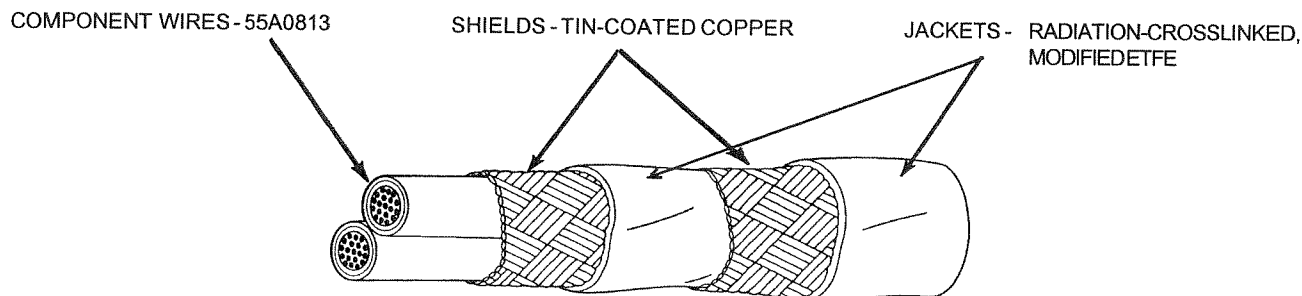


SPECIFICATION CONTROL DRAWING

55A7463TITLE
TWO CONDUCTOR CABLE,
DOUBLE SHIELDED, DOUBLE JACKETEDDate
06-05-00

Revision

This specification sheet forms a part of the latest issue of Raychem Specification 55A and MIL-DTL-27500 as applicable.



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	INNER SHIELD SIZE (AWG)	INNER JACKET THICKNESS (inches)		OUTER SHIELD SIZE (AWG)	OUTER JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	MAXIMUM		MINIMUM	MAXIMUM	NOMINAL	MAXIMUM	
55A7463-26-*	26	38	.004	.008	38	.005	.010	.142	.149	17.9
55A7463-24-*	24	38	.004	.008	38	.005	.010	.152	.160	20.4
55A7463-22-*	22	38	.004	.008	38	.005	.010	.162	.170	23.6
55A7463-20-*	20	38	.004	.008	38	.006	.011	.178	.187	28.8
55A7463-18-*	18	38	.005	.008	38	.006	.011	.202	.212	37.0
55A7463-16-*	16	38	.005	.008	38	.006	.011	.218	.229	43.2
55A7463-14-*	14	38	.005	.009	38	.007	.012	.254	.266	58.1
55A7463-12-*	12	38	.005	.009	36	.007	.013	.292	.306	80.1

ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

BLOCKING: 200 ± 3°C for 6 hours

CROSSLINKED VERIFICATION: 300 ± 5°C for 6 hours

DIELECTRIC WITHSTAND:

1500 volts (rms), 60 Hz conductor to conductor and shield,

500 volts (rms), 60 Hz shield to shield

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) (each)

Tensile Strength, 5000 lbf/in² (minimum) (each)

JACKET FLAWS:

Spark Test, 1500 volts (rms), 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100% test

LOW TEMPERATURE-COLD BEND: -55 ± 5°C for 4 hours

SHIELD COVERAGE: 85% (minimum) (each)

VOLTAGE WITHSTAND TEST (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 colors, a dash separating the component wire color from the inner jacket color and a dash separating the inner jacket color from the outer jacket color.

Example: AWG 22, white and white with blue stripe component wires; white inner jacket and white outer jacket: 55A7463-22-9/96-9-9

NOTE: Nominal values are for information only.
Nominal values are not requirements.

This construction meets all the requirements of M27500-AWGSM2V73, less identification.

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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