

SPECIFICATION CONTROL DRAWING

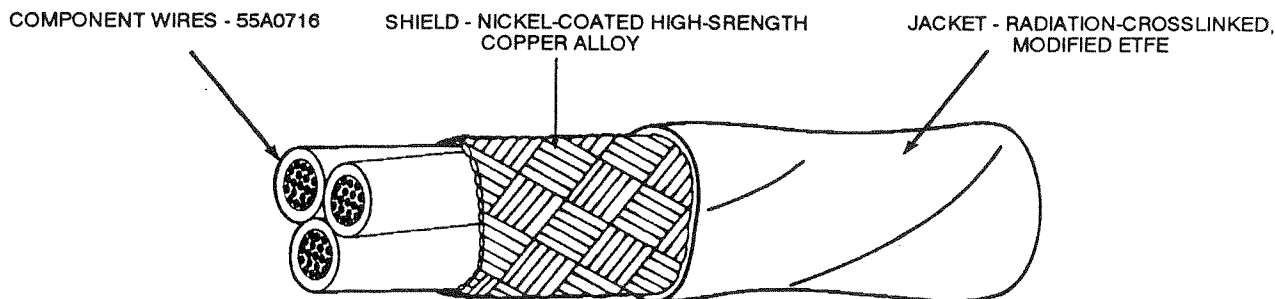
55A7028

TITLE
THREE CONDUCTOR CABLE, SHIELDED, JACKETED

Date
12-21-90

Revision

This specification sheet forms a part of the latest issue of Raychem Specification 55A.



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	
55A7028-26-*	26	38	.006	.008	.143	.150	16.2
55A7028-24-*	24	38	.006	.008	.154	.162	19.0
55A7028-22-*	22	38	.006	.008	.167	.175	23.0
55A7028-20-*	20	38	.006	.008	.184	.193	29.4
55A7028-18-*	18	38	.006	.008	.206	.216	39.1
55A7028-16-*	16	38	.007	.009	.223	.234	46.6

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

ACCELERATED AGING: 300 ± 3°C for 7 hours

BLOCKING: 200 ± 3°C for 6 hours

DIELECTRIC WITHSTAND: 1500 volts, 60 Hz

FLAMMABILITY:

Procedure 1, 3 seconds (maximum); 3 in. (maximum);
no flaming or facial tissue

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensile Strength, 5000 lbf/in² (minimum)

JACKET FLAWS:

Spark Test, 1000 volts, 60 Hz (rms), 100% test

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

LIFE CYCLE: 230 ± 3°C for 500 hours

LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours

SHIELD COVERAGE: 85% (minimum)

THERMAL SHOCK: 300 ± 3°C for 6 hours

VOLTAGE WITHSTAND TEST: (After Accelerated Aging,
Immersion, Life Cycle and Low-Temperature-Cold Bend)
1000 volts, 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 20, white, black and red components
wires; white jacket:
55A7028-20-9/0/2-9

Note: Nominal values are for information only.

Nominal values are not requirements

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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