

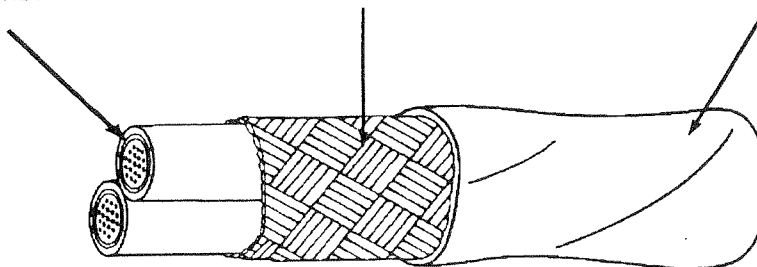
SPECIFICATION CONTROL DRAWING

55A6251TITLE
TWO CONDUCTOR CABLE, SHIELDED, JACKETED,
MEDIUM WEIGHT, 600 VOLTDate
6-29-94Revision
C

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

COMPONENT WIRES - 55A0213

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE

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	
55A6251-22-*	22	38	.006	.008	.127	.133	13.3
55A6251-20-*	20	38	.006	.008	.143	.150	17.6
55A6251-18-*	18	38	.006	.008	.165	.173	23.9
55A6251-16-*	16	38	.006	.008	.179	.188	28.5
55A6251-14-*	14	38	.006	.008	.209	.219	40.2
55A6251-12-*	12	38	.007	.009	.247	.259	57.7

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°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 (rms), 60 Hz

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)

Tensile Strength, 5000 lbf/in² (minimum)

JACKET FLAWS:

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

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

* LIFE CYCLE: 200 ± 3°C for 168 hours

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

SHIELD COVERAGE: 85% (minimum)

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 wire colors and a dash separating
the component wires color from the jacket color.Example: AWG 20, white and black component wire;
white jacket: 55A6251-20-9/0-9

* Qualification Test

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.

RaychemRaychem Corporation
300 Constitution Drive, Menlo Park, California 94025
1-800-2 Raychem FAX: 1-415-361-6297

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[55A6251-22-6/9-9CS2632](#)