

SPECIFICATION CONTROL DRAWING

55A4223

TITLE

TWO CONDUCTOR CABLE, JACKETED, MEDIUM WEIGHT

Date

12-10-81

Revision

A

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

COMPONENT WIRES - 55A0213

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft)
		MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A4223-26-*	26	.006	.008	.084	.088	5.0
55A4223-24-*	24	.006	.008	.094	.099	6.4
55A4223-22-*	22	.006	.008	.106	.111	8.3
55A4223-20-*	20	.006	.008	.122	.128	12.0
55A4223-18-*	18	.006	.008	.142	.149	16.9
55A4223-16-*	16	.006	.008	.158	.166	21.1
55A4223-14-*	14	.006	.008	.192	.202	31.5
55A4223-12-*	12	.007	.009	.230	.242	46.8
55A4223-10-*	10	.007	.009	.280	.294	72.1

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 (rms), 60 Hz

FLAMMABILITY:

Procedure 1, 3 seconds (maximum); 3 inch (maximum);
no flaming of facial tissue

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensile Strength, 5000 lbf/in² (minimum)

* LIFE CYCLE: 230 ± 3°C for 500 hours

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

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 wire colors from the jacket color.

Example: AWG 20, black and red component wires;
white jacket: 55A4223-20-0/2-9

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

* Qualification Test

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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