

# SPECIFICATION CONTROL DRAWING

55A4823

Title TWO CONDUCTOR CABLE, JACKETED, NORMAL WEIGHT

Date 9-11-04

Revision C

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

COMPONENT WIRES – 55A0813

JACKET – RADIATION-CROSSLINKED  
MODIFIED ETFE



### CABLE CONSTRUCTION DETAILS

PART NUMBER 1/	CONDUCTOR SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft.)
		MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A4823-26-*	26	.006	.008	.096	.101	5.4
55A4823-24-*	24	.006	.008	.106	.111	6.9
55A4823-22-*	22	.006	.008	.116	.122	8.9
55A4823-20-*	20	.006	.008	.132	.139	12.3
55A4823-18-*	18	.006	.008	.156	.164	18.0
55A4823-16-*	16	.006	.008	.170	.179	22.0
55A4823-14-*	14	.006	.008	.204	.214	32.6
55A4823-12-*	12	.007	.009	.240	.252	47.7
55A4823-10-*	10	.007	.009	.290	.304	73.2
55A4823- 8-*	8	.008	.010	.410	.431	142.
55A4823- 6-*	6	.009	.011	.504	.529	213.
55A4823- 4-*	4	.012	.014	.649	.681	358.
55A4823- 2-*	2	.016	.019	.854	.898	566.
55A4823- 0-*	0	.018	.020	1.06	1.11	930.

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

#### TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

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/in<sup>2</sup> (minimum)

LIFE CYCLE: 230 ± 3°C for 500 hours

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

#### 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.

1/ Example: AWG 20, black and brown component wires; white jacket: 55A4823-20-0/1-9

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

*Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.*

*Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.*

1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, AN ALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "901/902..." MAY BE REPLACED BY "Axxx".) OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.

单击下面可查看定价，库存，交付和生命周期等信息

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