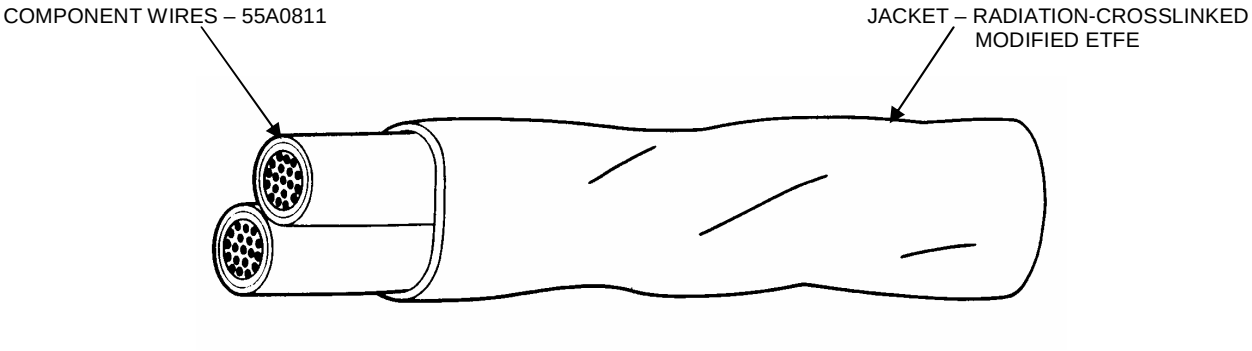
SPECIFICATION CONTROL DRAWING

55A4821

Title	Date	Revision
TWO CONDUCTOR CABLE, JACKETED, NORMAL WEIGHT	9-11-04	D

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



CABLE CONSTRUCTION DETAILS						
PART NUMBER 1/	CONDUCTOR SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft.)
		MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A4821-26-*	26	.006	.008	.096	.101	5.4
55A4821-24-*	24	.006	.008	.106	.111	6.9
55A4821-22-*	22	.006	.008	.116	.122	8.9
55A4821-20-*	20	.006	.008	.132	.139	12.3
55A4821-18-*	18	.006	.008	.156	.164	18.0
55A4821-16-*	16	.006	.008	.170	.179	22.0
55A4821-14-*	14	.006	.008	.204	.214	32.6
55A4821-12-*	12	.007	.009	.240	.252	47.7
55A4821-10-*	10	.007	.009	.290	.304	73.2
55A4821- 8-*	8	.008	.010	.410	.431	134.
55A4821- 6-*	6	.009	.011	.504	.529	208.
55A4821- 4-*	4	.012	.014	.648	.680	338.
55A4821- 2-*	2	.015	.018	.836	.878	549.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°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/in² (minimum)
LIFE CYCLE: 200 ± 3°C for 168 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: 55A4821-20-0/1-9

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.

DIMENSIONS ARE IN INCHES AND, UNLESS OTHERWISE DESIGNATED, ARE NOMINAL.

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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