

TABLE I. CONSTRUCTION DETAILS							
				TER OF	FINISHED WIRE		
PART NUMBER <u>1</u> /	WIRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	STRANDED CONDUCTOR (inch)		MAXIMUM RESISTANCE AT 20°C	DIAMETER (inch)	MAXIMUM WEIGHT
			MINIMUM	MAXIMUM	(ohms/1000 ft.)	~ /	(lbs/1000 ft.)
55A0811-28-*	28	7 x 36	.014	.016	68.6	.035 ± .002	1.30
55A0811-26-*	26	19 x 38	.018	.020	41.3	.040 ± .002	1.70
55A0811-24-*	24	19 x 36	.023	.024	26.2	.045 ± .002	2.30
55A0811-22-*	22	19 x 34	.029	.031	16.2	.050 ± .002	3.20
55A0811-20-*	20	19 x 32	.037	.039	9.88	.058 ± .002	4.70
55A0811-18-*	18	19 x 30	.046	.049	6.23	.070 ± .003	7.20
55A0811-16-*	16	19 x 29	.052	.055	4.81	.077 ± .003	9.00
55A0811-14-*	14	19 x 27	.065	.069	3.06	.094 ± .003	13.8
55A0811-12-*	12	37 x 28	.084	.089	2.02	.111 ± .003	20.5
55A0811-10-*	10	37 x 26	.106	.114	1.26	.134 ± .004	32.4
55A0811-8-*	8	133 x 29	.158	.173	.701	.195 ± .008	60.3
55A0811-6-*	6	133 x 27	.198	.217	.445	.241 ± .010	94.5
55A0811-4-*	4	133 x 25	.250	.274	.280	.310 ± .010	150.
55A0811-2-*	2	665 x 30	.320	.340	.183	.408 ± .012	249.
55A0811-1-*	1	817 x 30	.360	.380	.149	.470 ± .012	325.
55A0811-0-*	0	1045 x 30	.395	.425	.116	.510 ± .016	383.
55A0811-00-*	00	1330 x 30	.440	.475	.091	.570 ± .016	500.
55A0811-000-*	000	1665 x 30	.500	.540	.071	.610 ± .016	596.
55A0811-0000-*	0000	2109 x 30	.565	.605	.056	.675 ± .022	753.

		Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Electronics Corporation 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. OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.									
	Raychem, TE Connectivity, TE Connectivity (logo), and TE (logo) are trademarks.	Raychem Wire & Cable							

Page 1 of 2

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. Connectivity Ra

Raychem Wire & Cable 501 Oakside Avenue Redwood City, CA 94063-3800 Phone: 1-800-522-6752 Fax: 1-650-361-6297

© 2008-2017 Tyco Electronics Corporation. All rights reserved.



SCD

55A0811

	TABLE I	I. PERFORMANCE	DETAILS		
PART	MANDREL DIAMET (inch) (± 3%)	ER	WEIGHT (lb) (± 3%)		
NUMBER <u>1</u> /	LIFE CYCLE, IMMERSION, AND ACCELERATED AGING	COLD BEND	LIFE CYCLE, IMMERSION, AND ACCELERATED AGING	COLD BEND	
55A0811-28-*	.375	.750	.250	2.00	
55A0811-26-*	.375	1.00	.500	3.00	
55A0811-24-*	.500	1.00	.750	3.00	
55A0811-22-*	.500	1.00	1.00	3.00	
55A0811-20-*	.500	1.00	1.50	4.00	
55A0811-18-*	.750	1.50	2.00	4.00	
55A0811-16-*	1.00	1.50	2.00	5.00	
55A0811-14-*	1.00	2.00	3.00	5.00	
55A0811-12-*	1.50	2.00	3.00	5.00	
55A0811-10-*	2.00	3.00	3.00	5.00	
55A0811-8-*	3.00	4.00	4.00	6.00	
55A0811-6-*	4.00	5.00	4.00	10.0	
55A0811-4-*	5.00	6.00	4.00	10.0	
55A0811-2-*	6.00	8.00	6.00	15.0	
55A0811-1-*	8.00	10.0	6.00	15.0	
55A0811-0-*	8.00	10.0	6.00	15.0	
55A0811-00-*	10.0	12.0	8.00	20.0	
55A0811-000-*	10.0	12.0	8.00	20.0	
55A0811-0000-*	10.0	12.0	8.00	20.0	

WIRE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C Maximum continuous conductor temperature VOLTAGE RATING: 600 volts (rms) at sea level ACCELERATED AGING (CROSSLINKING PROOF): 300 ± 3°C for 7 hours BLOCKING: 200 ± 3°C for 24 hours COLOR: White preferred CONCENTRICITY: 70% (minimum) FLAMMABILITY: Procedure 1, 3 seconds (maximum), 3 inches (maximum); no flaming of facial tissue HUMIDITY RESISTANCE: Insulation Resistance, 5000 megohms for 1000 ft. (minimum), AWG 28-10 3000 megohms for 1000 ft. (minimum), AWG 8-0000 IDENTIFICATION, COLOR STRIPING, AND BAND DURABILITY: 125 cycles (250 strokes) (minimum), 500 g weight IMMERSION: Diameter increase 5% (maximum); no cracking, no dielectric breakdown INSULATION ELONGATION AND TENSILE STRENGTH: Elongation, 125% (minimum) for primary insulation, AWG 28-10 only 75% (minimum) for total insulation (primary insulation & jacket) Tensile Strength. 5000 lbf/in² (minimum) for primary insulation 5000 lbf/in² (minimum) for total insulation (primary insulation & jacket) **INSULATION FLAWS:** Primary Insulation, Spark Test, 1.5 kV (rms) at 60 Hz; 4.2 kV (rms) at 3 kHz Impulse Dielectric Test, 6.0 kV (peak) Finished Wire, Spark Test, 5.7 kV (rms) at 3 kHz Impulse Dielectric Test, 8.0 kV (peak)

INSULATION RESISTANCE: 5000 megohms for 1000 ft. (minimum), AWG 28-10 3000 megohms for 1000 ft. (minimum), AWG 8-0000 INSULATION THICKNESS: 0.003 in. (minimum) for primary insulation 0.004 in. (minimum) for outer jacket 0.009 in. (minimum) for total insulation LIFE CYCLE: 200 ± 3°C for 500 hours LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours SHRINKAGE: 200 ± 3°C for 6 hours, 0.125 in. (maximum) in 12 inches SMOKE TEST: 200 ± 2°C, no visible smoke SOLDERABILITY (AWG 10 and smaller only): Per MIL-STD-202, Method 208, except without steam aging SURFACE RESISTANCE: 500 meghoms-in. (minimum), both readings THERMAL SHOCK RESISTANCE: 150 ± 3°C, 0.060 in. (maximum), AWG 28-12 0.100 in. (maximum), AWG 10-8 0.125 in. (maximum), AWG 6-0000 VOLTAGE WITHSTAND (Post Environmental): 2500 volts (rms), 60 Hz WICKING: 2.25 in. (maximum) WRAP TEST: 200 ± 3°C for 2 hours 1/ PART NUMBER: The "*" in the part numbers in Tables I and II shall be replaced by a color code designator. Example: AWG 22, white: 55A0811-22-9 AWG 22, white with a black stripe: 55A0811-22-90

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Multi-Conductor Cables category:

Click to view products by TE Connectivity manufacturer:

Other Similar products are found below :

8916-GRY-100 8917-BLK-100 8917-GRN/YEL-100 8918-GRN/YEL-100 8920-BRN-1000 8920-RED-1000 89907-LT-DEC/GRY-500 CR3909-000 CR3927-000 01342.35T.01 01364.35T.01 003201-000 CS2885-000 CS8782-000 CS9912-000 6200UE-NAT-U1000 CTC-0062-20-9/5-9 CTC-0062-22-9/5-9 6304FE-877-U500 6309UE-877-1000 6320UE-NAT-U1000 644833-000 6502FE 8771000 6504UE-877-U1000 CW9530-000 CX6543-000 CXA-0066-20-4-9CS2973 CXA-0078-16-1-9CS2405 CXA-0078-22-4-9CS2405 CXA-0078-24-4-9CS2405 CXA-0140-16-6/9-9CS2405 CY0660-000 706/2R-BLACK-EACH 720451-000 730859-000 MCC-USB-4-250 752687-000 768146-000 773159-000 7934A-BLK-1000 8125-CHR-100 8164-CHR-1000 820457-000 8205-CHR-1000 8240-BLK-U1000 82723-NAT-1000 82907-NAT-500 83003-YEL-500 83005-WHT-500 83006-DK-GRN-100