S	PECIFICATION CONTROL DRAWING		44A9748	
TITLE	ONE CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT	Date 12-18-07	Revision B	
This specification sheet forms a part of the latest issue of Raychem Specification 44				

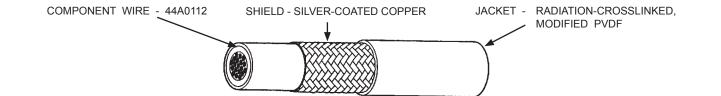


TABLE I. CABLE CONSTRUCTION DETAILS							
PART NUMBER	CONDUCTOR SHIELD STRAND SIZE THICKNESS (AWG) (± .0004 inch)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT	
1/		MINIMUM	NOMINAL	NOMINAL	MAXIMUM	(lbs/1000 ft.)	
44A9748-26-*	26	.0015	.006	.008	.057	.062	3.6
44A9748-24-*	24	.0015	.006	.008	.063	.068	4.6
44A9748-22-*	22	.0015	.006	.008	.070	.076	6.0
44A9748-20-*	20	.0015	.006	.008	.078	.084	7.9
44A9748-18-*	18	.0015	.006	.008	.088	.095	10.8
44A9748-16-*	16	.0015	.006	.008	.095	.103	13.1
44A9748-14-*	14	.0015	.006	.008	.112	.122	18.9
44A9748-12-*	12	.0015	.006	.008	.131	.142	27.7

TABLE II. CABLE PERFORMANCE DETAILS					
	BEND TESTING				
PART NUMBER <u>1</u> /	MANDREL DIAMETER (inch) (±3%)		WEIGHT (lb) (±3%)		
<u> </u>	LIFE CYCLE, IMMERSION AND ACCELERATED AGING	COLD BEND	LIFE CYCLE, IMMERSION AND ACCELERATED AGING	COLD BEND	
44A9748-26-*	3.00	3.00	.125	.750	
44A9748-24-*	3.00	3.00	.188	.750	
44A9748-22-*	3.00	3.00	.188	1.50	
44A9748-20-*	3.00	3.00	.188	1.50	
44A9748-18-*	3.00	3.00	.250	1.50	
44A9748-16-*	3.00	3.00	.250	1.50	
44A9748-14-*	3.00	3.00	.500	4.50	
44A9748-12-*	6.00	6.00	.500	4.50	

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.					
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Page 1 of 2	DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL	‴ Tyco	501 Oakside Avenue Redwood City, CA 94063-3800		
	THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.	Electronics	Phone: 1-800-227-8816 Fax: 1-650-361-6297		

Revision

SCD

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 6 hours BLOCKING: 150 ± 3°C for 6 hours DIELECTRIC WITHSTAND: 2500 volts (rms), 60 Hz, 1 minute FLAMMABILITY: 30 seconds (maximum); 3 in. (maximum); no flaming of facial tissue IMMERSION: Diameter increase 5% (maximum), no cracking, no dielectric breakdown JACKET COLOR: White preferred JACKET CONCENTRICITY: 70% (minimum) JACKET ELONGATION AND TENSILE STRENGTH: Elongation, 200% (minimum) Tensile Strength, 4000 lbf/in² (minimum) JACKET FLAWS: Spark Test, 1.5 kV (rms) Impulse Dielectric Test, 6.0 kV (peak) LIFE CYCLE: 200 ± 3°C for 168 hours LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours SHIELD COVERAGE: 90% (minimum) VOLTAGE WITHSTAND TEST (Post Environmental): 1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:

The "*" in the part numbers on page 1 shall be replaced by color code designators with a dash separating the component wire color from the jacket color.

1/ Example: AWG 20, black component wire; white jacket: 44A9748-20-0-9

1/ See footer section on page 1

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TE Connectivity: 44A9748-24-9-9CS3185