

JACKET - RADIATION-CROSSLINKED, MODIFIED FLEXIBLE ETFE

TABLE I. CONSTRUCTION DETAILS									
PART NUMBER <u>1</u> /	WIRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	DIAMETER OF STRANDED CONDUCTOR (in.)		FINISHED WIRE				
					MAXIMUM RESISTANCE AT 20°C	DIAMETER (in.)	MAXIMUM WEIGHT		
			MINIMUM	MAXIMUM	(ohms/1000 ft.)	. /	(lbs/1000 ft.)		
CMC-0587-8-*	8	41 x 24	.150	.160	1.09	.216 ± .008	32.3		
CMC-0587-6-*	6	70 x 24	.201	.211	.641	.267 ± .010	48.9		
CMC-0587-4-*	4	107 x 24	.248	.262	.427	.325 ± .010	71.5		
CMC-0587-2-*	2	168 x 24	.310	.330	.268	.407 ± .016	114.		
CMC-0587-0-*	0	259 x 24	.396	.420	.169	.504 ± .016	170.		
CMC-0587-00-*	00	334 x 24	.454	.478	.133	.553 ± .016	201.		
CMC-0587-000-*	000	427 x 24	.511	.535	.109	.630 ± .016	257.		
CMC-0587-0000-*	0000	523 x 24	.563	.587	.089	.685 ± .016	304.		

TABLE II. PERFORMANCE DETAILS							
	BEND TESTING						
PART NUMBER 1/	MANDREL DIAMETER (inch) (± 3%)	WEIGHT (lb) (± 3%)					
	CROSSLINKING PROOF TEST	CROSSLINKING PROOF TEST					
CMC-0587-8-*	3.00	3,00					
CMC-0587-6-*	4.00	3.00					
CMC-0587-4-*	5.00	3.00					
CMC-0587-2-*	6.00	4.00					
CMC-0587-0-*	8.00	4.00					
CMC-0587-00-*	9.00	4.00					
CMC-0587-000-*	10.0	4.00					
CMC-0587-0000-*	12.0	4.00					

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. OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER. AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.						
Page 1 of 2	The TE logo, Tyco Electronics and Raychem are trademarks.	₹ Tyco Electronics	Raychem Wire & Cable 501 Oakside Avenue Redwood City, CA 94063-3800 Phone: 1-800-227-8816 Fax: 1-650-361-6297			
	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.					

Revision

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WIRE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C Maximum continuous conductor temperature VOLTAGE RATING: 600 volts (rms) at sea level CONCENTRICITY: 70% (minimum) CROSSLINKING PROOF TEST: 300 ± 3°C for 7 hours IDENTIFICATION AND COLOR STRIPING DURABILITY: 125 cycles (250 strokes) (minimum), 500 g weight INSULATION ELONGATION AND TENSILE STRENGTH: Elongation, 125% (minimum) Tensile Strength, 3000 lbf/in² (minimum) INSULATION FLAWS: Primary Insulation, Spark Test, 1.5 kV (rms) at 3 kHz Impulse Dielectric Test, 6.0 kV (peak) Finished Wire, Spark Test, 3.0 kV (rms) at 3 kHz Impulse Dielectric Test, 8.0 kV (peak) INSULATION THICKNESS: AWG 8 - 4, .008 inch (minimum) for primary insulation .012 inch (minimum) for outer jacket AWG 2 - 0000, .010 inch (minimum) for primary insulation .015 inch (minimum) for outer jacket JACKET COLOR: White preferred SHRINKAGE: 150 ± 3°C for 6 hours, 0.25 inch (maximum) in 12 inches VOLTAGE WITHSTAND (Post Environmental): 2500 volts (rms), 60 Hz PART NUMBER: The "*" in the part numbers on page 1 shall be replaced by a color code designator. 1/ Example: AWG 2, white: CMC-0587-2-9

PRODUCT IDENTIFICATION: Mark outer jacket in a contrasting color at 12 inch (nominal) intervals with the following: " CMC-0587-AWG-06090 "

1/ See footer section on page 1