

# SPECIFICATION CONTROL DRAWING

82A6068

TITLE WIRE, RADIATION-CROSSLINKED, MODIFIED FLEXIBLE ETFE-INSULATED, NORMAL WEIGHT, GENERAL PURPOSE, 1000 VOLT

Date 12-4-12 Revision C

This specification sheet forms a part of the latest issue of Raychem Specification 80.

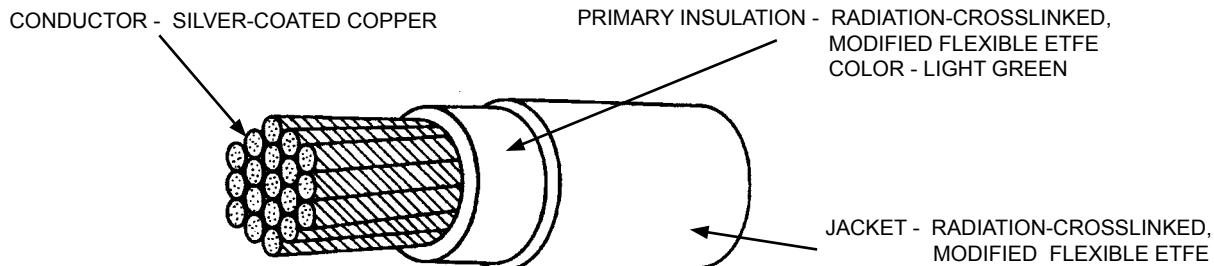


TABLE I. CONSTRUCTION DETAILS

PART NUMBER 1/	WIRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	DIAMETER OF STRANDED CONDUCTOR (in.)		FINISHED WIRE		
			MINIMUM	MAXIMUM	MAXIMUM RESISTANCE AT 20°C (ohms/1000 ft.)	DIAMETER (in.)	MAXIMUM WEIGHT (lbs/1000 ft.)
82A6068-16-*	16	259 x 40	.061	.067	4.62	.148 ± .008	22.0
82A6068-12-*	12	665 x 40	.096	.106	1.89	.185 ± .008	39.6
82A6068-10-*	10	665 x 38	.126	.140	1.12	.217 ± .008	59.1
82A6068-8-*	8	665 x 36	.157	.173	.714	.249 ± .008	84.1
82A6068-6-*	6	1045 x 36	.192	.208	.490	.284 ± .010	121.
82A6068-4-*	4	1665 x 36	.265	.285	.326	.359 ± .010	190.

TABLE II. PERFORMANCE DETAILS

PART NUMBER 1/	BEND TESTING		
	MANDREL DIAMETER (inch) (± 3%)		WEIGHT (lb) (± 3%)
	CROSSLINKING PROOF TEST		CROSSLINKING PROOF TEST
82A6068-16-*	1.50		3.00
82A6068-12-*	2.00		3.00
82A6068-10-*	3.00		4.00
82A6068-8-*	3.00		4.00
82A6068-6-*	4.00		4.00
82A6068-4-*	5.00		4.00

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

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

