

SPECIFICATION CONTROL DRAWING

44A017X

Title

SEVEN CONDUCTOR CABLE, UNSHIELDED, UNJACKETED,
GENERAL PURPOSE, 600 VOLT

Date

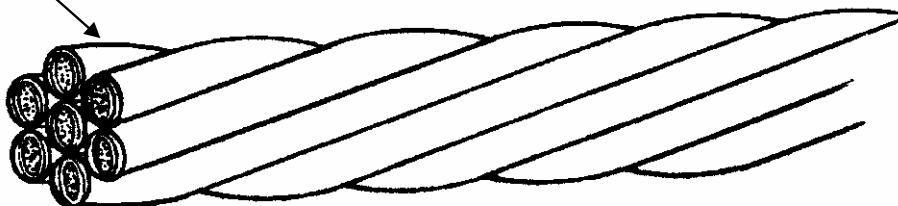
11-1-05

Revision

C

This specification sheet forms a part of the latest issue of Raychem Specification 44 and MIL-W-81044 as applicable.

COMPONENT WIRES – 44A011X



CABLE CONSTRUCTION DETAILS

PART NUMBER <u>1/</u>	CONDUCTOR SIZE (AWG)	OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lbs/1000 ft)
		NOMINAL	MAXIMUM	
44A017X-26-*	26	.102	.108	10.0
44A017X-24-*	24	.120	.126	15.0
44A017X-22-*	22	.141	.147	22.1
44A017X-20-*	20	.165	.171	32.8
44A017X-18-*	18	.195	.201	50.0
44A017X-16-*	16	.216	.224	63.6
44A017X-14-*	14	.267	.277	99.3
44A017X-12-*	12	.324	.336	155.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

DIELECTRIC WITHSTAND: 2500 volts (rms),
60 Hz, for 1 minute.The "X" in the part numbers above shall be replaced with a
conductor material designator as follows:

- 1 tin-coated copper
- 2 silver-coated copper
- 3 nickel-coated copper
- 4 silver-coated high strength copper alloy (awg's 26-16 only)

The "*" in the part numbers above shall be replaced
by color code designators with a slash separating
component wire colors: Colors shown do not necessarily reflect
the sequence of manufacturing1/ Example: AWG 20, tin-coated copper wires;

black, brown, red, orange, yellow,

green and blue components:

44A0171-20-0/1/2/3/4/5/6

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.

Page 1 of 1

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.**tyco**
Electronics**Raychem** Wire & Cable
501 Oaks Avenue
Redwood City, CA 94063-3800
Phone: 1-800-227-8816
Fax: 1-650-361-6297

© 2005 Tyco Electronics Corporation. All rights reserved.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[44A0171-20-MST7CS2275](#)