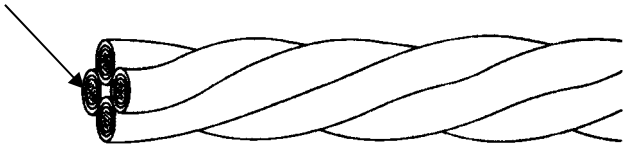
SPECIFICATION CONTROL DRAWING

SCD **44A034X**

Title	Date	Revision
FOUR CONDUCTOR CABLE, UNSHIELDED, UNJACKETED, GENERAL PURPOSE, 2500 VOLT	11-3-15	C

This specification sheet forms a part of the latest issue of Raychem Specification 44.

COMPONENT WIRES - 44A031X



CABLE CONSTRUCTION DETAILS				
PART NUMBER 1/	CONDUCTOR SIZE (AWG)	OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)
		NOMINAL	MAXIMUM	
44A034X-24-*	24	.138	.161	12.2
44A034X-22-*	22	.167	.197	17.5
44A034X-20-*	20	.189	.221	24.9
44A034X-18-*	18	.213	.248	35.5
44A034X-16-*	16	.235	.276	44.5
44A034X-14-*	14	.278	.325	66.1
44A034X-12-*	12	.317	.369	98.7

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
Maximum continuous conductor temperature
VOLTAGE RATING: 2500 volts (rms) at sea level
DIELECTRIC WITHSTAND:
5000 volts (rms), 60 Hz, 1 minute
INSULATION FLAWS:
Spark Test, 8.0 kV (rms) at 3 kHz
Impulse Dielectric Test, 13.0 kV (peak)

1/ PART NUMBER:
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 24-18 only)
The "*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors. Colors shown do not necessarily reflect the sequence of manufacturing.
Example: AWG 20, tin-coated copper conductors; black, brown, red, and orange component wires: 44A0341-20-0/1/2/3

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 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. 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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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.

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