

SPECIFICATION CONTROL DRAWING

SCD

44AM382+

Title TWO CONDUCTOR CABLE, SHIELDED, AIRFRAME, 600 VOLT

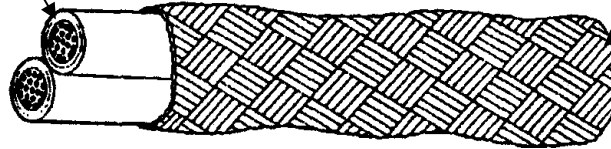
Date 10-26-18

Revision A

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

COMPONENT WIRES - 44A081+

SHIELD - COPPER, COATING SAME AS ON CONDUCTOR EXCEPT TIN-COATED SHIELD WITH SILVER-COATED HIGH-STRENGTH ALLOY CONDUCTOR



CABLE CONSTRUCTION DETAILS

PART NUMBER ^{1/}	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)
			NOMINAL	MAXIMUM	
44AM382+-26-*	26	38	.113	.118	8.3
44AM382+-24-*	24	38	.125	.130	10.4
44AM382+-22-*	22	38	.141	.148	13.5
44AM382+-20-*	20	38	.157	.164	17.5
44AM382+-18-*	18	38	.177	.184	23.4
44AM382+-16-*	16	38	.195	.204	28.4
44AM382+-14-*	14	38	.233	.242	41.0
44AM382+-12-*	12	38	.269	.278	57.8
44AM382+-10-*	10	36	.331	.342	89.8
44AM382+-8-*	8	36	.449	.462	158.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature
 VOLTAGE RATING: 600 volts (rms) at sea level
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
 15 seconds (minimum), 30 seconds (maximum)
 SHIELD COVERAGE: 85% (minimum)

^{1/} PART NUMBER:

The "+" in the part numbers above shall be replaced by the applicable conductor material designator as follows:

- 1 tin-coated copper
- 2 silver-coated copper (AWG 24-8 only)
- 3 nickel-coated copper (AWG 24-12 only)
- 4 silver-coated high strength copper alloy (AWG 26-20 only)
- 6 nickel-coated high strength copper alloy (AWG 26-20 only)

The "*" in the part numbers above shall be replaced by color code designators with a slash separating component wire colors.

Example: AWG 20, tin-coated copper wires; blue and white component wires: 44AM3821-20-6/9

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. TE Connectivity 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.

