

# SPECIFICATION CONTROL DRAWING

82A3121

TITLE TWO CONDUCTOR CABLE, SHIELDED, UNJACKETED

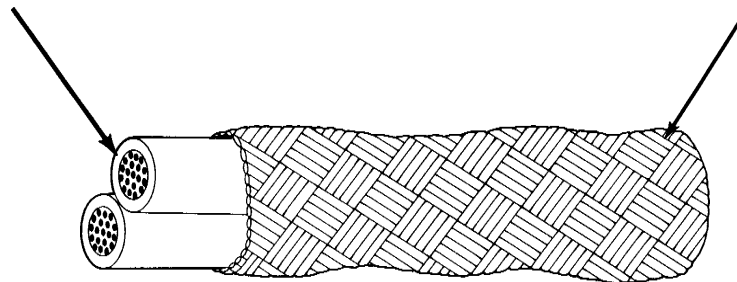
Date 9-9-04

Revision C

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

COMPONENT WIRES-82A0111

SHIELD-TIN-COATED COPPER



## CONSTRUCTION DETAILS

PART NUMBER <u>1/</u>	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft)
			NOMINAL	MAXIMUM	
82A3121-28-*	28	38	.075	.080	4.9
82A3121-26-*	26	38	.083	.088	6.0
82A3121-24-*	24	38	.091	.096	7.8
82A3121-22-*	22	38	.103	.108	9.9
82A3121-20-*	20	38	.123	.129	13.4
82A3121-18-*	18	38	.145	.152	19.4
82A3121-16-*	16	38	.175	.184	27.8
82A3121-14-*	14	38	.215	.226	42.3
82A3121-12-*	12	38	.259	.272	61.1
82A3121-10-*	10	36	.335	.352	103.2

## 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

SHIELD COVERAGE: 85% (minimum)

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

1/ Example: black and brown component wires:  
82A3121-22-0/1

*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.

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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