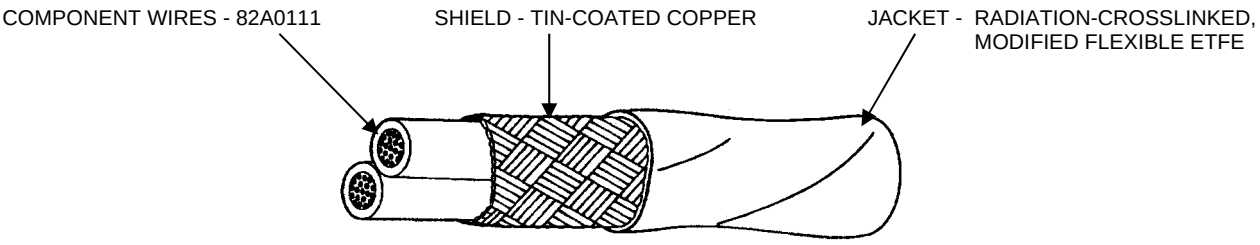
SPECIFICATION CONTROL DRAWING

SCD **82A1121**

Title	Date	Revision
TWO CONDUCTOR CABLE, SHIELDED, JACKETED, GENERAL PURPOSE, FLEXIBLE, 600 VOLT	6-1-16	F

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



CABLE CONSTRUCTION DETAILS

PART NUMBER 1/	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
82A1121-28-*	28	38	.005	.008	.091	.097	6.9
82A1121-26-*	26	38	.006	.009	.101	.106	8.5
82A1121-24-*	24	38	.006	.009	.109	.114	10.5
82A1121-22-*	22	38	.007	.010	.123	.129	13.3
82A1121-20-*	20	38	.007	.011	.145	.152	17.8
82A1121-18-*	18	38	.008	.012	.169	.177	25.1
82A1121-16-*	16	38	.009	.013	.201	.211	35.2
82A1121-14-*	14	38	.010	.015	.245	.257	52.8
82A1121-12-*	12	38	.011	.017	.293	.308	75.3
82A1121-10-*	10	36	.013	.020	.375	.394	125.
82A1121-8-*	8	36	.015	.023	.457	.480	187.
82A1121-6-*	6	36	.018	.027	.547	.574	276.
82A1121-4-*	4	34	.023	.035	.732	.769	462.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms) at sea level
CROSSLINKING PROOF TEST: 300 ± 3°C for 7 hours
DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
JACKET COLOR: White preferred
JACKET ELONGATION AND TENSILE STRENGTH:
Elongation, 100% (minimum)
Tensile Strength, 3000 lbf/in^2 (minimum)
JACKET FLAWS:
Spark Test, 1500 volts (rms)
Impulse Dielectric Test, 6.0 kV (peak)

SECANT MODULUS (Test per ASTM D 882):
4.0 x 10^4 lbf/in^2 (maximum),
2% strain, 2 inch jaw separation, 0.2 inch/minute
SHIELD COVERAGE: 85% (minimum)
VOLTAGE WITHSTAND (Post Environmental):
1000 volts (rms), 60 Hz, 1 minute

1/ PART NUMBER:
The "*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.
Example: AWG 20, blue and white component wires; white jacket: 82A1121-20-6/9-9

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.
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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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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