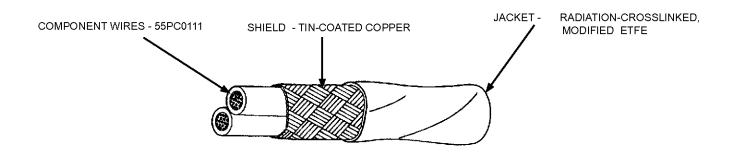
## SPECIFICATION CONTROL DRAWING TITLE TWO CONDUCTOR CABLE, SHIELDED, JACKETED, GENERAL PURPOSE, 600 VOLT SPECIFICATION CONTROL DRAWING 55PC1121 Revision B1

This specification sheet forms a part of the latest issue of Raychem Specification 55PC.



CONSTRUCTION DETAILS										
PART NUMBER 1/	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS ( in. )		OUTSIDE DIAMETER ( in. )			WEIGHT ( lbs/1000 ft. )		
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	
55PC1121-28-*	28	38	.0050	.0060	.078	.082	.086	5.33	5.71	
55PC1121-26-*	26	38	.0050	.0065	.088	.092	.096	6.86	7.22	
55PC1121-24-*	24	38	.0050	.0065	.097	.101	.105	8.55	8.91	
55PC1121-22-*	22	38	.0050	.0065	.109	.114	.119	11.10	11.60	
55PC1121-20-*	20	38	.0055	.0070	.126	.130	.134	14.95	15.44	
55PC1121-18-*	18	38	.0055	.0070	.145	.149	.154	20.40	21.03	
55PC1121-16-*	16	38	.0055	.0070	.159	.164	.169	24.81	25.54	
55PC1121-14-*	14	38	.0060	.0075	.189	.194	.199	35.52	36.41	
55PC1121-12-*	12	38	.0060	.0080	.227	.233	.238	51.71	52.88	
55PC1121-10-*	10	36	.0065	.0085	.280	.291	.302	81.65	85.95	

	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.							
Page 1 of 2	The TE logo, Tyco Electronics and Raychem are trademarks.	TE Connectivity Wires & Cables					
	DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.	501 Oakside Avenue Redwood City, CA 94063-380					
	THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.	TE Connectivity Phone: 1-800-227-8816 Fax: 1-650-361-6297					

## **SPECIFICATION CONTROL DRAWING**

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Revision B1 SCD

55PC1121

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature VOLTAGE RATING: 600 volts (rms) at sea level CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz JACKET COLOR: White preferred JACKET ELONGATION AND TENSILE STRENGTH: Elongation, 50% (minimum) Tensile Strength, 5000 lbf/in² (minimum) JACKET FLAWS: Spark Test, 1000 volts (rms) Impulse Dielectric Test, 6.0 kV (peak) SHIELD COVERAGE: 85% (minimum) VOLTAGE WITHSTAND TEST (Post Environmental): 1000 volts (rms), 60 Hz, 1 minute

## PART NUMBER:

The "\*" in the part numbers on page 1 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.

1/ Example: AWG 22, red and blue component wires; white jacket: 55PC1121-22-2/6-9

1/ See footer section on page 1