



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# SPECIFICATION CONTROL DRAWING

**55PC1826**

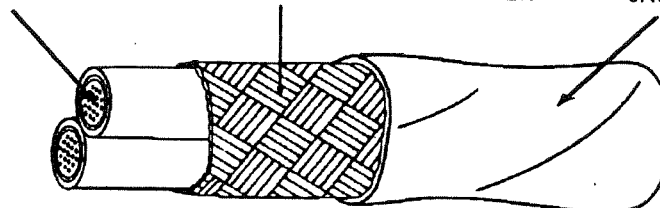
TITLE TWO CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date 6-28-95

Revision

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

COMPONENT WIRES - 55PC0816
SHIELD - NICKEL-COATED COPPER
JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE



### CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC1826-24-*	24	38	.0055	.0070	.114	.118	.122	10.32	10.77
55PC1826-22-*	22	38	.0055	.0070	.126	.130	.134	12.93	13.42
55PC1826-20-*	20	38	.0055	.0070	.143	.147	.151	17.00	17.56
55PC1826-18-*	18	38	.0060	.0075	.163	.168	.173	22.96	23.73
55PC1826-16-*	16	38	.0060	.0075	.179	.184	.189	27.68	28.48

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

**TEMPERATURE RATING: 200°C**  
 Maximum continuous conductor temperature  
**VOLTAGE RATING: 600 volts (rms)**  
**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/in<sup>2</sup> (minimum)  
**JACKET FLAWS:**  
 Spark Test, 1000 volts (rms), 60 Hz, 100% test  
 Impulse Dielectric Test, 6.0 kV (peak), 100 % test

**SHIELD COVERAGE: 85% (minimum)**  
**VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):**  
 1000 volts (rms), 60 Hz, 1 minute

**PART NUMBER:**  
 The "\*" in the part numbers above shall be replaced by a color code designator with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.  
 Example: AWG 22, red and blue component wires; white jacket: 55PC1826-22-2/6-9

COLOR AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HERIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INSTITUTION FOR BID.

## Raychem

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