## **SPECIFICATION CONTROL DRAWING**

55PC6177

ONE CONDUCTOR CABLE, DOUBLE SHIELDED, JACKETED, 600 VOLT

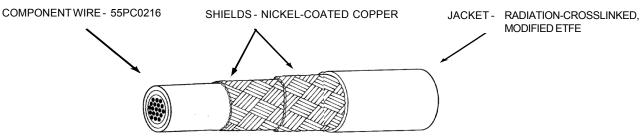
04-05-01

MODIFIED ETFE

Date

Revision

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



CONSTRUCTION DETAILS										
PARTNUMBER	CONDUCTOR SIZE (AWG)	INNER SHIELD SIZE (AWG)	OUTER SHIELD SIZE (AWG)	JACKETTHICKNESS (in.)		DIAMETER ( in.)			WEIGHT ( lbs/1000 ft. )	
				LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPERSPEC LIMIT	TARGET VALUE	UPPERSPEC LIMIT
55PC6177-24-*	24	38	38	.0050	.0060	.083	.087	.091	8.95	9.33
55PC6177-22-*	22	38	38	.0050	.0060	.089	.093	.097	10.56	10.97
55PC6177-20-*	20	38	38	.0050	.0060	.097	.101	.105	13.03	13.47
55PC6177-18-*	18	38	38	.0050	.0060	.107	.111	.115	16.35	16.89
55PC6177-16-*	16	38	38	.0050	.0065	.115	.119	.123	19.13	19.71

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz CROSSLINKING PROOF TEST: 300 ± 3°C for 1 hour

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), 100% test Impulse Dielectric Test, 6.0 kV (peak), 100% test SHIELD COVERAGE: 85% (minimum) (each)

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL): 1000 volts (rms), 60 Hz, 1 minute

## PART NUMBER:

The "\*" in the part numbers above shall be replaced by color code designators with a dash separating the component wire color from the jacket color. Example: AWG 24, red component wire:

white jacket: 55PC6177-24-2-9

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

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

300 Constitution Drive, Menlo Park, California 94025 1-800-2 Raychem Fax: 1-650-361-6297

TITLE