

SPECIFICATION CONTROL DRAWING

55PC6016

TITLE

TWO CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT

Date

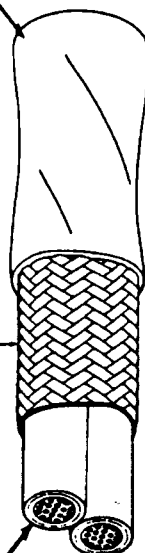
1-25-93

Revision

A

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

COMPONENT WIRES - 55PC0214 SHIELD - SILVER-COATED COPPER JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS ($\pm .0004$)	JACKET THICKNESS (in.)		DIAMETER (in.)		WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE
55PC6016-26*	26	.0015	.0060	.0075	.087	.092	.097	5.88
55PC6016-24*	24	.0015	.0060	.0075	.097	.102	.107	7.49
55PC6016-22*	22	.0015	.0060	.0075	.109	.114	.119	9.84
55PC6016-20*	20	.0015	.0060	.0080	.127	.132	.137	13.63
55PC6016-18*	18	.0015	.0060	.0080	.146	.151	.156	18.85
55PC6016-16*	16	.0015	.0060	.0080	.160	.166	.172	23.08
								24.07

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: $300 \pm 3^\circ\text{C}$ for 1 hour
JACKET COLOR: White preferred
JACKET ELONGATION AND TENSILE STRENGTH:
Elongation, 50% (minimum)
Tensile Strength, 5000 lb/in² (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 24, red and blue component wires, white jacket: 55PC6016-24-2/6-9

COLOR AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-481.

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

Raychem

Raychem Corporation
300 Constitution Drive, Menlo Park, California 94025
(415) 381 3333 TWX 910 373 1726