

SPECIFICATION CONTROL DRAWING

55PC6002

TITLE

ONE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date

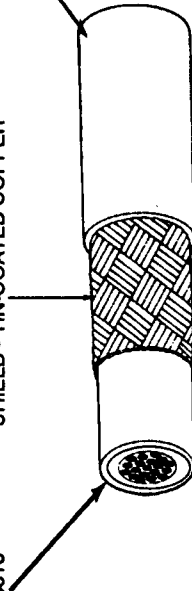
1-25-93

Revision

A

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

COMPONENT WIRE - 55PC0816
SHIELD - TIN-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
55PC6002-24*	24	38	.0050	.0060	.069	.073	.077	5.74
55PC6002-22*	22	38	.0050	.0060	.075	.079	.083	7.07
55PC6002-20*	20	38	.0050	.0060	.084	.087	.091	9.14
55PC6002-18*	18	38	.0050	.0060	.094	.097	.101	12.06
55PC6002-16*	16	38	.0050	.0060	.102	.105	.109	14.44

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°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 lb/in² (minimum)

JACKET FLAWS:

Spark Test, 10000 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 dash separating the component wire color from the jacket color.

Example: AWG 22, white component wire, white jacket: 55PC6002-22-9-9

COLOR AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881.

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[55PC6002-18-9-9CS2502](#) [55PC6002-18-9-92CS2502](#) [55PC6002-18-9-9CS2970](#) [55PC6002-20-9-9CS2970](#)
[55PC6002-20-9-9CS2502](#)