

# SPECIFICATION CONTROL DRAWING

**55PC0213**

TITLE WIRE, RADIATION-CROSSLINKED, MODIFIED ETFE-INSULATED, MEDIUM WEIGHT, GENERAL PURPOSE, 600 VOLT

Date 2-1-10 Revision F

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



## CONSTRUCTION DETAILS

| PART NUMBER<br>1/ | WIRE SIZE<br>(AWG) | CONDUCTOR STRANDING<br>(number x AWG) | CONDUCTOR DIAMETER<br>(in.) |              |                  | FINISHED WIRE                                    |                   |              |                  |                          |                  |
|-------------------|--------------------|---------------------------------------|-----------------------------|--------------|------------------|--|-------------------|--------------|------------------|--------------------------|------------------|
|                   |                    |                                       | LOWER SPEC LIMIT            | TARGET VALUE | UPPER SPEC LIMIT | MAXIMUM RESISTANCE<br>AT 20°C<br>(ohms/1000 ft.) | DIAMETER<br>(in.) |              |                  | WEIGHT<br>(lbs/1000 ft.) |                  |
|                   |                    |                                       |                             |              |                  |  | LOWER SPEC LIMIT  | TARGET VALUE | UPPER SPEC LIMIT | TARGET VALUE             | UPPER SPEC LIMIT |
| 55PC0213-26-*     | 26                 | 19 x 38                               | .0175                       | .0183        | .0191            | 42.2   | .0328             | .0345        | .0362            | 1.38                     | 1.52             |
| 55PC0213-24-*     | 24                 | 19 x 36                               | .0225                       | .0233        | .0241            | 25.9   | .0378             | .0395        | .0412            | 1.98                     | 2.13             |
| 55PC0213-22-*     | 22                 | 19 x 34                               | .0285                       | .0293        | .0301            | 16.0   | .0438             | .0455        | .0472            | 2.90                     | 3.06             |
| 55PC0213-20-*     | 20                 | 19 x 32                               | .0365                       | .0375        | .0385            | 9.77   | .0523             | .0540        | .0557            | 4.38                     | 4.57             |
| 55PC0213-18-*     | 18                 | 19 x 30                               | .0452                       | .0464        | .0476            | 6.10   | .0616             | .0635        | .0654            | 6.59                     | 6.90             |
| 55PC0213-16-*     | 16                 | 19 x 29                               | .0514                       | .0527        | .0538            | 4.76   | .0690             | .0710        | .0730            | 8.37                     | 8.70             |
| 55PC0213-14-*     | 14                 | 19 x 27                               | .0644                       | .0659        | .0674            | 3.00   | .0838             | .0860        | .0882            | 12.88                    | 13.33            |
| 55PC0213-12-*     | 12                 | 37 x 28                               | .0825                       | .0845        | .0865            | 1.98   | .1020             | .1047        | .1074            | 19.73                    | 20.30            |
| 55PC0213-10-*     | 10                 | 37 x 26                               | .1050                       | .1070        | .1090            | 1.24   | .1252             | .1290        | .1328            | 31.12                    | 32.13            |
| 55PC0213-8-*      | 8                  | 133 x 29                              | .158                        | .163         | .169             | .694   | .188              | .196         | .203             | 56.8                     | 59.9             |
| 55PC0213-6-*      | 6                  | 133 x 27                              | .198                        | .205         | .212             | .436   | .233              | .242         | .251             | 89.7                     | 94.7             |
| 55PC0213-4-*      | 4                  | 133 x 25                              | .250                        | .260         | .268             | .275   | .300              | .311         | .322             | 146.                     | 154.             |
| 55PC0213-2-*      | 2                  | 665 x 30                              | .320                        | .330         | .340             | .177   | .370              | .383         | .397             | 227.                     | 240.             |
| 55PC0213-1-*      | 1                  | 817 x 30                              | .360                        | .370         | .380             | .144   | .410              | .424         | .438             | 278.                     | 291.             |
| 55PC0213-0-*      | 0                  | 1045 x 30                             | .395                        | .415         | .425             | .113   | .449              | .466         | .483             | 343.                     | 366.             |
| 55PC0213-00-*     | 00                 | 1330 x 30                             | .440                        | .462         | .475             | .089   | .505              | .525         | .545             | 450.                     | 481.             |

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics 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. OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.

The TE logo, Tyco Electronics and Raychem are trademarks.

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

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 Wire & Cable  
501 Oakside Avenue  
Redwood City, CA 94063-3800  
Phone: 1-800-227-8816  
Fax: 1-650-361-6297

## WIRE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

COLOR: White preferred

CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour

IDENTIFICATION AND COLOR STRIPING DURABILITY:

125 cycles (250 strokes) (minimum). 500 g weight.

INSULATION ELONGATION AND TENSILE STRENGTH:

Total Insulation,

Elongation, 50% (minimum)

Tensile Strength, 5000 lbf/in<sup>2</sup> (minimum)

INSULATION FLAWS:

Spark Test, 3.0 kV (rms)

Impulse Dielectric Test, 8.0 kV (peak)

INSULATION THICKNESS: .008 in. (nominal) total insulation

SHRINKAGE: 230 ± 3°C for 1 hour, 0.125 inch (maximum) in 12 inches.

VOLTAGE WITHSTAND TEST (Post Environmental): 2500 volts (rms)

PART NUMBER:

The "\*" in the part numbers on page 1 shall be replaced by a color code designator,

1/ Example: AWG 22, white: 55PC0213-22-9

AWG 22, white with black stripe: 55PC0213-22-90

1/ See footer section on page 1

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9