

9269 Coax - 93 Ohms

 For more Information  
 please call

1-800-Belden1

**General Description:**

22 AWG solid .025" bare copper-covered steel conductor, semi-solid polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Coax | AWG | Stranding | Conductor Material               | Dia. (in.) |
|--------|-----|-----------|----------------------------------|------------|
| 1      | 22  | Solid     | BCCS - Bare Copper Covered Steel | .025       |

Total Number of Conductors: 1

**Insulation**

Insulation Material:

| Insulation Material                     | Wall Thickness (in.) | Dia. (in.) |
|-----------------------------------------|----------------------|------------|
| Semi-Solid PE - Semi-Solid Polyethylene | 0.026                | 0.146      |

**Outer Shield**

Outer Shield Material:

| Type  | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | BC - Bare Copper      | 95           |

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.032                     |

**Overall Cable**

Overall Nominal Diameter: 0.239 in.

**Mechanical Characteristics (Overall)**

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -40°C To +80°C           |
| UL Temperature Rating:            | 60°C (UL AWM Style 1478) |
| Bulk Cable Weight:                | 36 lbs/1000 ft.          |
| Max. Recommended Pulling Tension: | 84 lbs.                  |
| Min. Bend Radius/Minor Axis:      | 2.500 in.                |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

|                                       |                           |
|---------------------------------------|---------------------------|
| NEC/(UL) Specification:               | CL2, CM                   |
| CEC/C(UL) Specification:              | CM                        |
| AWM Specification:                    | UL Style 1478 (30 V 60°C) |
| EU Directive 2011/65/EU (ROHS II):    | Yes                       |
| EU CE Mark:                           | Yes                       |
| EU Directive 2000/53/EC (ELV):        | Yes                       |
| EU Directive 2002/95/EC (RoHS):       | Yes                       |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004                |
| EU Directive 2002/96/EC (WEEE):       | Yes                       |
| EU Directive 2003/11/EC (BFR):        | Yes                       |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                       |
| MII Order #39 (China RoHS):           | Yes                       |
| PMSHA Specification:                  | SC-182/3                  |

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9269 Coax - 93 Ohms

Customer Part Number Reference Specification: IBM P/N 323921

RG Type: 62A/U

## Flame Test

UL Flame Test: UL1685 UL Loading

## Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 89269, 87269, 82269

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

93

### Nom. Inductance:

Inductance (µH/ft)

0.116

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

13.5

### Nominal Velocity of Propagation:

VP (%)

84

### Nominal Delay:

Delay (ns/ft)

1.21

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

41.2

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.9

### Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1           | 0.3                      |
| 10          | 0.9                      |
| 50          | 1.9                      |
| 100         | 2.7                      |
| 200         | 3.8                      |
| 400         | 5.3                      |
| 700         | 7.3                      |
| 900         | 8.2                      |
| 1000        | 8.7                      |

### Max. Operating Voltage - UL:

| Voltage   | Description    |
|-----------|----------------|
| 300 V RMS | CM             |
| 150 V RMS | CL2            |
| 30 V RMS  | AWM Style 1478 |

### Max. Operating Voltage - Non-UL:

| Voltage   |
|-----------|
| 750 V RMS |

## Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color       | Notes | Item Desc                   |
|---------------|----------|-------------|-------------|-------|-----------------------------|
| 9269 A8RU1000 | 1,000 FT | 36.000 LB   | BEIGE, SNOW |       | RG-62A/U TYPE COAX          |
| 9269 003U1000 | 1,000 FT | 36.000 LB   | ORANGE      |       | RG-62A/U TYPE COAX          |
| 9269 010U1000 | 1,000 FT | 36.000 LB   | BLACK       |       | RG-62A/U TYPE COAX          |
| 9269 010U500  | 500 FT   | 18.500 LB   | BLACK       |       | RG-62A/U TYPE COAX 306 2.09 |
| 9269 0101000  | 1,000 FT | 38.000 LB   | BLACK       |       | RG-62A/U TYPE COAX          |
| 9269 0101640  | 1,640 FT | 60.680 LB   | BLACK       | C     | RG-62A/U TYPE COAX          |
| 9269 0102000  | 2,000 FT | 76.000 LB   | BLACK       | C     | RG-62A/U TYPE COAX          |
| 9269 0103280  | 3,280 FT | 121.360 LB  | BLACK       | C     | RG-62A/U TYPE COAX          |
| 9269 010500   | 500 FT   | 19.000 LB   | BLACK       | C     | RG-62A/U TYPE COAX          |
| 9269 0105000  | 5,000 FT | 185.000 LB  | BLACK       | C     | RG-62A/U TYPE COAX          |

# Detailed Specifications & Technical Data



## ENGLISH MEASUREMENT VERSION

9269 Coax - 93 Ohms

|               |          |           |        |  |                    |
|---------------|----------|-----------|--------|--|--------------------|
| 9269 060U1000 | 1,000 FT | 36.000 LB | CHROME |  | RG-62A/U TYPE COAX |
|---------------|----------|-----------|--------|--|--------------------|

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 08-16-2012

© 2016 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.