



Product: [9228](#)

93Ω RG-62A/U Type, #22 Sol BCCS, Semi-solid PE, BC Braid, HDPE Jkt, Burial

Product Description

Coax 93Ω RG-62A/U Type, 22 AWG solid bare copper-covered steel, semi-solid polyethylene insulation, bare copper braid shield (95% coverage), high-density polyethylene jacket, Burial

Technical Specifications

Product Overview

| | |
|------------------------|---------------------------|
| Suitable Applications: | Computer, Instrumentation |
|------------------------|---------------------------|

Construction Details

| | |
|----------|----|
| RG Type: | 62 |
|----------|----|

Conductor

| Size | Stranding | Nom. Diameter | Material |
|--------|-----------|---------------|----------------------------------|
| 22 AWG | Solid | 0.025 in | BCCS - Bare Copper Covered Steel |

Insulation

| Material | Nom. Insulation Diameter | Color Code | Notes |
|--------------------------------|--------------------------|------------|--|
| PE - Polyethylene (Semi-Solid) | 0.146 in (3.71 mm) | White | Solid PE monofilament spiral around conductor. Solid PE tube over monofilament |

Outer Shield

| Layer | Outer Shield Type | Material | Coverage |
|-------|-------------------|------------------|----------|
| 1 | Braid | Bare Copper (BC) | 95% |

Outer Jacket

| Material | Nom. Diameter |
|-------------------|--------------------|
| PE - Polyethylene | 0.242 in (6.15 mm) |

| | |
|-----------------------------------|------------------------------|
| Table Notes: | Flooding grease under jacket |
| Overall Cable Diameter (Nominal): | 0.242 in (6.15 mm) |

Electrical Characteristics

Attenuation

| Frequency | Nom. Attenuation |
|-----------|------------------|
| 1 MHz | 0.25 dB/100ft |
| 10 MHz | 0.85 dB/100ft |
| 50 MHz | 1.90 dB/100ft |
| 100 MHz | 2.70 dB/100ft |
| 200 MHz | 3.80 dB/100ft |
| 400 MHz | 5.30 dB/100ft |
| 700 MHz | 7.30 dB/100ft |
| 900 MHz | 8.20 dB/100ft |
| 1000 MHz | 8.70 dB/100ft |

Electricals

| Nom. Conductor DCR | Nom. Outer Shield DCR | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity of Prop. |
|--------------------|-----------------------|---------------------------------|-------------------------------|------------------------|
|--------------------|-----------------------|---------------------------------|-------------------------------|------------------------|

| | | | | |
|-----------------|-----------------------------|------------------------|--------|-----|
| 41.2 Ohm/1000ft | 2.9 Ohm/1000ft (9.5 Ohm/km) | 13.5 pF/ft (44.3 pF/m) | 93 Ohm | 84% |
|-----------------|-----------------------------|------------------------|--------|-----|

Voltage

| |
|-----------------------|
| Voltage Rating |
| 300 V |

Mechanical Characteristics

Temperature

| |
|------------------|
| Operating |
| -55°C to +80°C |

Bend Radius

| |
|--------------------------|
| Installation Min. |
| 2.4 in (61 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 88 lbs (40 kg) |
| Bulk Cable Weight: | 30 lbs/1000ft |

Standards and Compliance

| | |
|--------------------------------|--|
| Environmental Suitability: | Outdoor - Aerial, Sunlight Resistance - Black only, Aerial - When supported by messenger wire |
| Sustainability: | CA Prop 65 |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.471 Revision Date: 06-20-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|--------------|-------|------------|----------|--------------|----------|
| 9228 010500 | Black | Reel | 500 ft | 612825225539 | C |
| 9228 0101000 | Black | Reel | 1,000 ft | 612825225515 | C |
| 9228 0102000 | Black | Reel | 2,000 ft | 612825225522 | C |
| 9228 0105000 | Black | Reel | 5,000 ft | 612825225546 | C |

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