



**Product:** [9223](#) 

Audio Coax, Low Noise, 22 AWG Str TC, Foil + 95% TC Brd, PVC Jkt

## Product Description

Audio Coax, Low Noise, 22 AWG (7x30) Tinned Copper Conductor, Inner PE Conductive Layer, PE Insulation, Duobond® II + 95% Tinned Copper Braid Shield, PVC Jacket

## Technical Specifications

### Product Overview

|                        |   |
|------------------------|---|
| Suitable Applications: | Low noise microphone, Analog audio, Instrumentation |
|------------------------|---|

### Construction Details

|          |    |
|----------|----|
| RG Type: | 58 |
|----------|----|

#### Conductor

| Size   | Stranding | Nom. Diameter | Material           |
|--------|-----------|---------------|--------------------|
| 22 AWG | 7x30      | 0.029 in      | TC - Tinned Copper |

#### Insulation

| Material                       | Nom. Insulation Diameter | Color Code |
|--------------------------------|--------------------------|------------|
| PE - Polyethylene (Conductive) | 0.112 in (2.84 mm)       | Black      |
| PE - Polyethylene              | 0.112 in (2.84 mm)       | White      |

#### Outer Shield

| Layer | Outer Shield Type | Material                      | Material Trade Name | Coverage |
|-------|-------------------|-------------------------------|---------------------|----------|
| 1     | Tape              | Tri-Laminate (Alum+Poly+Alum) | Duobond® II         | 100%     |
| 2     | Braid             | Tinned Copper (TC)            |                     | 95%      |

#### Outer Jacket

| Material                 | Nom. Diameter      |
|--------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.195 in (4.95 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.195 in (4.95 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR            | Nom. Outer Shield DCR      | Nom. Capacitance Cond-to-Shield | Nom. Velocity of Prop. |
|-------------------------------|----------------------------|---------------------------------|------------------------|
| 15.1 Ohm/1000ft (49.5 Ohm/km) | 3.8 Ohm/1000ft (12 Ohm/km) | 37 pF/ft (120 pF/m)             | 56%                    |

#### Voltage

| Voltage Rating |
|----------------|
| 1900 V RMS     |

|                                   |   |
|-----------------------------------|---|
| Electrical Characteristics Notes: | NBS Low Noise Test (Modified), MIL-C-17 Paragraph 4.8.14, 8 mV Peak to Peak Max |
|-----------------------------------|---|

### Mechanical Characteristics

#### Temperature

| Operating      |
|----------------|
| -40°C to +80°C |

Bend Radius

| Installation Min. |
|-------------------|
| 2 in (51 mm)      |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 8.85 lbs (4.01 kg) |
| Bulk Cable Weight: | 24 lbs/1000ft      |

Standards and Compliance

|                                |  |
|--------------------------------|--|
| Environmental Suitability:     | Indoor (Not Riser or Plenum), Indoor   |
| Sustainability:                | CA Prop 65   |
| CPR Compliance:                | CPR Euroclass: Eca; CPR UKCA Class: Eca  |
| 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) |
| UK Regulation Compliance:      | UKCA Mark  |
| APAC Compliance:               | China RoHS II (GB/T 26572-2011)  |

Product Notes

|        |                            |
|--------|----------------------------|
| Notes: | Not recommended for RF use |
|--------|----------------------------|

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.445 Revision Date: 09-07-2025 |
|----------------------|--|

Part Numbers

Variants

| Item #       | Color | Putup Type | Length   | UPC          | Footnote |
|--------------|-------|------------|----------|--------------|----------|
| 9223 010100  | Black | Reel       | 100 ft   | 612825358831 |          |
| 9223 010500  | Black | Reel       | 500 ft   | 612825357742 | C        |
| 9223 0101000 | Black | Reel       | 1,000 ft | 612825357759 | C        |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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