

Product: [9223](#) 

Special Audio, Low Noise, RG58, 22 AWG



Product Description

Low noise, RG-58/U Type, 22 AWG stranded (7x30) .029" TC conductor, conductive layer on conductor, polyethylene insulation, Duobond® II + TC braid shield (95% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|--------------------|------------------|-------------|
| 22 | Stranded | TC - Tinned Copper | 0.029 in | 1 |

| | |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

Insulation

| Layer | Material | Nominal Diameter |
|-------|--------------------------------|------------------|
| 1 | PE - Polyethylene (Conductive) | 0.036 in |
| 2 | PE - Polyethylene | 0.112 in |

Outer Shield Material

| Type | Layer | Material | Material Trade Name | Coverage [%] |
|-------|-------|--------------------|---------------------|--------------|
| Tape | 1 | Alum / Poly / Alum | Bonded Duofoil® | 100% |
| Braid | 2 | Tinned Copper (TC) | | 95% |

Outer Jacket Material

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.195 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|--|--------------------------|---------------------|
| 10.8 Ohm/1000ft | 10.8 Ohm/1000ft | 4.1 Ohm/1000ft | 4.1 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 37 pF/ft |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 50 Ohm |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|--|
| 1.8 ns/ft | 56% |

Voltage

| Voltage Rating [V] |
|--------------------|
| |

300 V RMS

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

Temperature Range

| | |
|-----------------------|----------------|
| Non-UL Temp Rating: | 80°C |
| Operating Temp Range: | -40°C To +80°C |

Mechanical Characteristics

| | |
|-----------------------------|---------------|
| Bulk Cable Weight: | 24 lbs/1000ft |
| Max. Pull Tension: | 8.85 lbs |
| Min Bend Radius/Minor Axis: | 2 in |

Standards

| | |
|----------------|-----------|
| CPR Euroclass: | Eca |
| RG Type: | 58/U Type |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| Environmental Space: | Indoor (Not Riser or Plenum) |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|------------------------------------|-----|
| Suitability - Aerial: | No |
| Suitability - Burial: | No |
| Suitability - Hazardous Locations: | No |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | No |
| Suitability - Sunlight Resistance: | No |

Flammability, LS0H, Toxicity Testing

| | |
|-------------------|---------------|
| IEC Flammability: | IEC 60332-1-2 |
|-------------------|---------------|

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

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

Footnote: C - CRATE REEL PUT-UP.

Product Notes

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

History

| | |
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| Update and Revision: | Revision Number: 0.215 Revision Date: 04-28-2020 |
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