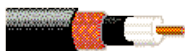


**9224 Coax - Low Noise**

For more Information  
please call

1-800-Belden1

**General Description:**

Low Noise, RG-59/U type, 22 AWG solid .025" bare copper-covered steel conductor, polyethylene insulation, conductive layer, 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:

| Layer # | Insulation Material   | Dia. (in.) |
|---------|-----------------------|------------|
| 1       | PE - Polyethylene     | 0.146      |
| 2       | CPVC - Conductive PVC | 0.154      |

**Outer Shield**

Outer Shield Material:

| Type  | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | BC - Bare Copper      | 95.000       |

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

**Overall Cable**

Overall Nominal Diameter: 0.242 in.

**Mechanical Characteristics (Overall)**

|                                   |                 |
|-----------------------------------|-----------------|
| Operating Temperature Range:      | -40°C To +75°C  |
| Non-UL Temperature Rating:        | 75°C            |
| Bulk Cable Weight:                | 36 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 80 lbs.         |
| Min. Bend Radius/Minor Axis:      | 3 in.           |

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

|                                       |            |
|---------------------------------------|------------|
| 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        |
| MIL Order #39 (China RoHS):           | Yes        |
| RG Type:                              | 59/U       |

**Flame Test**

UL Flame Test: UL1685 UL Loading, VW-1

**Plenum/Non-Plenum**

Plenum (Y/N):

No

**Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

.124

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

22

Nominal Velocity of Propagation:

VP (%)

65

Nominal Delay:

Delay (ns/ft)

1.56

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

54.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.5

Other Electrical Characteristic 1:

NBS Low Noise Test (Modified) MIL-C-17 Paragraph 4.8.14, 5 mV Peak to Peak Max

Max. Noise Level (Peak to Peak):

5 mV

**Notes (Overall)**

Notes: Not recommended for RF use. Nom. Voltage Breakdown Conductor to Shield: 30 kV RMS. Nom. Voltage Breakdown Jacket (Shield to Water): 30 kV RMS.

**Put Ups and Colors:**

| Item #       | Putup    | Ship Weight | Color | Notes | Item Desc             |
|--------------|----------|-------------|-------|-------|-----------------------|
| 9224 010U500 | 500 FT   | 19.500 LB   | BLACK |       | #22AWG LOW NOISE COAX |
| 9224 010I000 | 1,000 FT | 39.000 LB   | BLACK |       | #22AWG LOW NOISE COAX |

Revision Number: 1    Revision Date: 08-23-2012

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