

9222 Coax - 50 Ohm Triax

 For more Information  
 please call

1-800-Belden1

**General Description:**

RG-58A/U type, 20 AWG stranded (7x28) .037" tinned copper conductor, polyethylene insulation, double tinned copper braid shields (95% coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1      | 20  | 7x28      | TC - Tinned Copper | 0.038      |

**Total Number of Conductors:** 1
**Insulation****Insulation Material:**

| Insulation Material | Dia. (in.) |
|---------------------|------------|
| PE - Polyethylene   | 0.120      |

**Inner Shield****Inner Shield Material:**

| Type  | Inner Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | TC - Tinned Copper    | 95.000       |

**Inner Jacket****Inner Jacket Material:**

| Inner Jacket Material | Nom. Dia. (in.) |
|-----------------------|-----------------|
| PE - Polyethylene     | 0.177           |

**Outer Shield****Outer Shield Material:**

| Type  | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | TC - Tinned Copper    | 95.000       |

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.021                     |

**Overall Cable**
**Overall Nominal Diameter:** 0.241 in.
**Mechanical Characteristics (Overall)**
**Operating Temperature Range:** -40°C To +75°C

**Non-UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 39 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 83 lbs.

**Min. Bend Radius/Minor Axis:** 2.500 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        |
| MII Order #39 (China RoHS):           | Yes        |
| RG Type:                              | 58A/U      |

**Plenum/Non-Plenum**

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

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

| Impedance (Ohm) |
|-----------------|
| 50              |

**Nom. Inductance:**

| Inductance (μH/ft) |
|--------------------|
| .077               |

**Nom. Capacitance Conductor to Shield:**

| Capacitance (pF/ft) |
|---------------------|
| 30.8                |

**Nominal Velocity of Propagation:**

| VP (%) |
|--------|
| 66     |

**Nom. Conductor DC Resistance:**

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 9.5                      |

**Nom. Inner Shield DC Resistance:**

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 4.7                      |

**Nominal Outer Shield DC Resistance:**

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 4.3                      |

**Nom. Attenuation:**

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1           | .5                       |
| 10          | 1.5                      |
| 50          | 3.3                      |
| 100         | 4.9                      |
| 200         | 7.2                      |
| 400         | 12.0                     |
| 500         | 14.0                     |
| 700         | 18.0                     |
| 900         | 22.0                     |
| 1000        | 24.0                     |

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

| Voltage    |
|------------|
| 1400 V RMS |

**Put Ups and Colors:**

| Item #       | Putup  | Ship Weight | Color  | Notes | Item Desc    |
|--------------|--------|-------------|--------|-------|--------------|
| 9222 004U500 | 500 FT | 20.500 LB   | YELLOW |       | 50 OHM TRIAX |
| 9222 004100  | 100 FT | 4.600 LB    | YELLOW |       | 50 OHM TRIAX |
| 9222 004500  | 500 FT | 21.000 LB   | YELLOW | C     | 50 OHM TRIAX |

**Notes:**

C = CRATE REEL PUT-UP.

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