

## 9222 Coax - 50 Ohm Triax

|   |  |   |
|---|--|---|
|  |  | <p>For more information please call<br/><b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> |
|---|--|---|

### Description:

RG-58A/U type, 20 AWG stranded (7x28) .037" tinned copper conductor, polyethylene insulation, double tinned copper braid shield (96% coverage), PVC jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

|                            |                    |
|----------------------------|--------------------|
| Number of Coax             | 1                  |
| Total Number of Conductors | 1                  |
| RG Type                    | 58A/U              |
| AWG                        | 20                 |
| Stranding                  | 7x28               |
| Conductor Diameter         | .037 in.           |
| Conductor Material         | TC - Tinned Copper |

#### INSULATION:

|                     |                   |
|---------------------|-------------------|
| Insulation Material | PE - Polyethylene |
| Insulation Diameter | .114 in.          |

#### INNER SHIELD:

|                         |                    |
|-------------------------|--------------------|
| Inner Shield Type       | Braid              |
| Inner Shield Material   | TC - Tinned Copper |
| Inner Shield % Coverage | 95 %               |

#### INNER JACKET:

|                       |                   |
|-----------------------|-------------------|
| Inner Jacket Material | PE - Polyethylene |
|-----------------------|-------------------|

#### OUTER SHIELD:

|                         |                    |
|-------------------------|--------------------|
| Outer Shield Type       | Braid              |
| Outer Shield Material   | TC - Tinned Copper |
| Outer Shield % Coverage | 85 %               |

#### OUTER JACKET:

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

#### OVERALL NOMINAL DIAMETER:

|                          |          |
|--------------------------|----------|
| Overall Nominal Diameter | .240 in. |
|--------------------------|----------|

## 9222 Coax - 50 Ohm Triax

### MECHANICAL CHARACTERISTICS:

|                                  |                   |
|----------------------------------|-------------------|
| Operating Temperature Range      | -40°C To +75°C    |
| Non-UL Temperature Rating        | 75°C              |
| Bulk Cable Weight                | 37.2 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 83 lbs.           |
| Min. Bend Radius (Install)       | 2.5 in.           |

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

|                                       |            |
|---------------------------------------|------------|
| EU CE Mark (Y/N)                      | Yes        |
| EU RoHS Compliant (Y/N)               | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |

#### PLENUM/NON-PLENUM:

|              |   |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

### ELECTRICAL CHARACTERISTICS:

|   |                  |
|---|------------------|
| Nom. Characteristic Impedance                 | 50 Ohms          |
| Nom. Inductance                               | .077 µH/ft       |
| Nom. Capacitance Conductor to Shield          | 30.8 pF/ft       |
| Nominal Velocity of Propagation               | 66 %             |
| Nom. Conductor DC Resistance @ 20 Deg. C      | 9.5 Ohms/1000 ft |
| Nom. Inner Shield DC Resistance               | 4.7 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20 Deg.C | 4.3 Ohms/1000 ft |

Nom. Attenuation :

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Nom. 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 | 1400 V RMS |
|---------------------------------|------------|

### PUT-UPS AND COLORS:

| Item         | Description  | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|--------------|--------------|--------------------|--------------|-------|
| 9222 004U500 | 50 OHM TRIAX | U500         | 20.5               | YELLOW       |       |

**9222 Coax - 50 Ohm Triax**

|             |              |     |      |        |   |
|-------------|--------------|-----|------|--------|---|
| 9222 004100 | 50 OHM TRIAX | 100 | 4.6  | YELLOW |   |
| 9222 004500 | 50 OHM TRIAX | 500 | 19.5 | YELLOW | C |

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 09-08-2006

© Copyright 2006 Belden, Inc  
All Rights Reserved.

Although Belden ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003);Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information and belief at the date of its publication. The information provided in the Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.