



**Product:** [9222](#) 

50Ω Triax RG-58A/U Type, #20, PO, TC Braids, PVC Jkt

Product Description

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

Technical Specifications

Product Overview

|                        |                                                   |
|------------------------|---------------------------------------------------|
| Suitable Applications: | Analog video, Composite Video, Video Distribution |
|------------------------|---------------------------------------------------|

Construction Details

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

Conductor

| Element  | No. of Elements | Size   | Stranding | Nom. Diameter | Material           |
|----------|-----------------|--------|-----------|---------------|--------------------|
| Coax(es) | 1               | 20 AWG | 7x28      | 0.038 in      | TC - Tinned Copper |

Insulation

| Element  | Material          | Nom. Insulation Diameter | Color Code |
|----------|-------------------|--------------------------|------------|
| Coax(es) | PE - Polyethylene | 0.12 in (3.0 mm)         | White      |

Inner Shield

| Element  | Layer | Shield Type | Material           | Coverage |
|----------|-------|-------------|--------------------|----------|
| Coax(es) | 1     | Braid       | Tinned Copper (TC) | 95%      |

Inner Jacket

| Material          | Nom. Diameter      |
|-------------------|--------------------|
| PE - Polyethylene | 0.177 in (4.50 mm) |

Outer Shield

| Layer | Outer Shield Type | Material           | Coverage |
|-------|-------------------|--------------------|----------|
| 1     | Braid             | Tinned Copper (TC) | 95%      |

Outer Jacket

| Material                 | Nom. Diameter      |
|--------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.241 in (6.12 mm) |

Electrical Characteristics

Attenuation

| Frequency | Nom. Attenuation |
|-----------|------------------|
| 1 MHz     | 0.5 dB/100ft     |
| 10 MHz    | 1.5 dB/100ft     |
| 50 MHz    | 3.3 dB/100ft     |
| 100 MHz   | 4.9 dB/100ft     |
| 200 MHz   | 7.2 dB/100ft     |
| 400 MHz   | 12 dB/100ft      |
| 500 MHz   | 14 dB/100ft      |

|          |             |
|----------|-------------|
| 700 MHz  | 18 dB/100ft |
| 900 MHz  | 22 dB/100ft |
| 1000 MHz | 24 dB/100ft |

Electricals

| Nom. Conductor DCR | Nom. Inner Shield DCR      | Nom. Outer Shield DCR      | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity of Prop. | Max. Delay Skew |
|--------------------|----------------------------|----------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| 9.5 Ohm/1000ft     | 4.7 Ohm/1000ft (15 Ohm/km) | 4.3 Ohm/1000ft (14 Ohm/km) | 30.8 pF/ft (101 pF/m)           | 50 Ohm                        | 66%                    | 66 ns/100m      |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 75°C           | -40°C To +75°C |

Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 2.41 in (61.2 mm) | 2.41 in (61.2 mm) |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 92 lbs (42 kg) |
| Bulk Cable Weight: | 39 lbs/1000ft  |

Standards and Compliance

|                                |                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:     | Indoor, Indoor                                                                                                            |
| CPR Compliance:                | CPR Euroclass: Fca                                                                                                        |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.477 Revision Date: 05-25-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | Putup Type | Length | UPC          | Footnote |
|--------------|--------|------------|--------|--------------|----------|
| 9222 004100  | Yellow | Reel       | 100 ft | 612825225430 |          |
| 9222 004500  | Yellow | Reel       | 500 ft | 612825225447 | C        |
| 9222 004U500 | Yellow | UnReel     | 500 ft | 612825225423 |          |

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