



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

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