



Product: [8262](#)

Mil-Spec Coax, 50 Ohm, RG-58, 20 AWG Str TC, 95% TC Braid, PVC Jkt, Commercial Non-QPL

Product Description

Mil-Spec Coax, 50 Ohm, RG-58, 20 AWG (19x33) Tinned Copper Conductor, PE Insulation, 95% Tinned Copper Braid Shield, PVC Jacket (Non-Contaminating), Commercial, non-QPL

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Point-to-point and point-to-multipoint wireless antenna communication; Wireless microphones, Two-Way Radios, Amateur (Ham) Radio, Low Power FM, GPS, RFID (Radio Frequency Identification) |
|------------------------|--|

Construction Details

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

Conductor

| Size | Stranding | Nom. Diameter | Material |
|--------|-----------|---------------|--------------------|
| 20 AWG | 19x33 | 0.035 in | TC - Tinned Copper |

Insulation

| Material | Nom. Insulation Diameter | Color Code |
|-------------------|--------------------------|------------|
| PE - Polyethylene | 0.115 in (2.92 mm) | White |

Outer Shield

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

Outer Jacket

| Material | Nom. Diameter |
|--|--------------------|
| PVC - Polyvinyl Chloride (Non-Contaminating) | 0.195 in (4.95 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.195 in (4.95 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Attenuation

| Frequency | Nom. Attenuation |
|-----------|------------------|
| 1 MHz | 0.4 dB/100ft |
| 10 MHz | 1.4 dB/100ft |
| 50 MHz | 3.3 dB/100ft |
| 100 MHz | 4.9 dB/100ft |
| 200 MHz | 7.3 dB/100ft |
| 400 MHz | 11.5 dB/100ft |
| 700 MHz | 17.0 dB/100ft |
| 900 MHz | 20.0 dB/100ft |
| 1000 MHz | 21.5 dB/100ft |

Power Rating

| Frequency | Max. Power Rating |
|-----------|-------------------|
|-----------|-------------------|

| | |
|-----------|-------|
| 50 MHz | 300 W |
| 100 MHz | 200 W |
| 400 MHz | 90 W |
| 1,000 MHz | 55 W |

Electricals

| Nom. Conductor DCR | Nom. Outer Shield DCR | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity of Prop. |
|-------------------------------|----------------------------|---------------------------------|-------------------------------|------------------------|
| 10.8 Ohm/1000ft (35.4 Ohm/km) | 4.1 Ohm/1000ft (13 Ohm/km) | 30.8 pF/ft (101 pF/m) | 50 Ohm | 66% |

Voltage

| Voltage Rating |
|-------------------|
| 1400 V (Mil-Spec) |

Mechanical Characteristics

Temperature

| Operating |
|----------------|
| -40°C to +85°C |

Bend Radius

| Installation Min. |
|-------------------|
| 2 in (51 mm) |

| | |
|--------------------|--------------------------|
| Max. Pull Tension: | 38 lbs (17 kg) |
| Bulk Cable Weight: | 24 lbs/1000ft (36 kg/km) |

Standards and Compliance

| | |
|--------------------------------|--|
| Environmental Suitability: | Outdoor - Aerial, Indoor |
| Sustainability: | CA Prop 65 |
| Military Compliance: | Commercial, non-QPL product (M17/155-00001) |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.435 Revision Date: 12-15-2021 |
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Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------|------------|----------|--------------|
| 8262 010500 | Black | Reel | 500 ft | 612825197423 |
| 8262 010U500 | Black | UnReel | 500 ft | 612825358114 |
| 8262 0101000 | Black | Reel | 1,000 ft | 612825197454 |
| 8262 010U1000 | Black | UnReel | 1,000 ft | 612825197430 |

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