



**Product:** [8267](#) 

Mil-Spec Coax, 50 Ohm, RG-213, 13 AWG Str BC, 95% BC Braid, PVC Jkt, CMX, Commercial Non-QPL

## Product Description

Mil-Spec Coax, 50 Ohm, RG-213, 13 AWG (7x21) Bare Copper Conductor, PE Insulation, 95% Bare Copper Braid Shield, PVC Jacket (Non-Contaminating), CMX, 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: | 213 |
|----------|-----|

#### Conductor

| Size   | Stranding | Nom. Diameter | Material         |
|--------|-----------|---------------|------------------|
| 13 AWG | 7x21      | 0.089 in      | BC - Bare Copper |

#### Insulation

| Material          | Nom. Insulation Diameter | Color Code |
|-------------------|--------------------------|------------|
| PE - Polyethylene | 0.285 in (7.24 mm)       | White      |

#### Outer Shield

| Outer Shield Type | Material         | Coverage |
|-------------------|------------------|----------|
| Braid             | Bare Copper (BC) | 95%      |

#### Outer Jacket

| Material                                     | Nom. Diameter      |
|----------------------------------------------|--------------------|
| PVC - Polyvinyl Chloride (Non-Contaminating) | 0.405 in (10.3 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.405 in (10.3 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Attenuation

| Frequency | Nom. Attenuation |
|-----------|------------------|
| 1 MHz     | 0.17 dB/100ft    |
| 10 MHz    | 0.55 dB/100ft    |
| 50 MHz    | 1.3 dB/100ft     |
| 100 MHz   | 1.9 dB/100ft     |
| 200 MHz   | 2.7 dB/100ft     |
| 400 MHz   | 4.1 dB/100ft     |
| 700 MHz   | 6.5 dB/100ft     |
| 900 MHz   | 7.6 dB/100ft     |
| 1000 MHz  | 8.0 dB/100ft     |
| 4000 MHz  | 21.5 dB/100ft    |

#### Power Rating

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

|           |         |
|-----------|---------|
| 1 MHz     | 9,295 W |
| 10 MHz    | 2,761 W |
| 50 MHz    | 1,122 W |
| 100 MHz   | 748 W   |
| 200 MHz   | 494 W   |
| 400 MHz   | 326 W   |
| 700 MHz   | 235 W   |
| 900 MHz   | 205 W   |
| 1,000 MHz | 194 W   |
| 4,000 MHz | 110 W   |

Electricals

| Nom. Conductor DCR | Nom. Outer Shield DCR       | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity of Prop. |
|--------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|
| 1.7 Ohm/1000ft     | 1.2 Ohm/1000ft (3.9 Ohm/km) | 30.8 pF/ft (101 pF/m)           | 50 Ohm                        | 66%                    |

Voltage

| UL Voltage Rating               | Voltage Rating    |
|---------------------------------|-------------------|
| 300 V (CMX), 30 V (UL AWM 1354) | 3700 V (Mil-Spec) |

Mechanical Characteristics

Temperature

| UL Temperature     | Operating      |
|--------------------|----------------|
| 60°C (UL AWM 1354) | -40°C to +80°C |

Bend Radius

| Installation Min. |
|-------------------|
| 4 in (100 mm)     |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 184 lbs (83.5 kg) |
| Bulk Cable Weight: | 104 lbs/1000ft    |

Standards and Compliance

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor (Not Riser or Plenum), Indoor                                                                                             |
| Sustainability:                  | CA Prop 65                                                                                                                       |
| Flammability / Reaction to Fire: | VW-1                                                                                                                             |
| CPR Compliance:                  | CPR Euroclass: Eca                                                                                                               |
| NEC / UL Compliance:             | CMX                                                                                                                              |
| AWM Compliance:                  | AWM 1354                                                                                                                         |
| CEC / C(UL) Compliance:          | CMX                                                                                                                              |
| Military Compliance:             | Commercial, non-QPL product (M17/163-00001)                                                                                      |
| 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) |
| UK Regulation Compliance:        | UKCA Mark                                                                                                                        |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                                  |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.599 Revision Date: 02-20-2026 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color | Putup Type | Length   | UPC          | Footnote |
|--------------|-------|------------|----------|--------------|----------|
| 8267 010500  | Black | Reel       | 500 ft   | 612825197539 | C        |
| 8267 0101000 | Black | Reel       | 1,000 ft | 612825428411 | C        |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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