



**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)
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### Construction Details

RG Type:	58
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#### 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)
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### 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
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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	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:	42 lbs (19 kg)
Bulk Cable Weight:	24 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Outdoor - Aerial, Indoor, Aerial - Black only, When supported by messenger wire
Sustainability:	CA Prop 65
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.527 Revision Date: 04-13-2023
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## Part Numbers

#### 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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