Belden



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	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: 0.530 Revision Date: 09-07-2025

Part Numbers

Variants

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

Footnote:	C - CRATE REEL PUT-UP.

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