



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

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

Insulation

Material	Nom. Diameter
PE - Polyethylene	0.115 in

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

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation [dB/100ft]
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 [MHz]	Max. Power Rating [W]
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
10.8 Ohm/1000ft	4.1 Ohm/1000ft	30.8 pF/ft	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

Bulk Cable Weight:	24 lbs/1000ft
Max. Pull Tension:	38 lbs

Standards and Compliance

Environmental Suitability:	Outdoor - Aerial, Indoor
Sustainability:	CA Prop 65
Military Compliance:	Commerical, 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: 0.374 Revision Date: 10-13-2021
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