



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)
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Construction Details

RG Type:	213
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Conductor

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

Insulation

Material	Nom. Diameter
PE - Polyethylene	0.285 in

Outer Shield Material

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

Outer Jacket Material

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

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation [dB/100ft]
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 [MHz]	Max. Power Rating [W]
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. Impedance	Nom. Velocity
1.7 Ohm/1000ft	1.2 Ohm/1000ft	30.8 pF/ft	50 Ohm	66%

Voltage

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

Mechanical Characteristics

Temperature

UL Rating	Operating
60°C (UL AWM 1354)	-40°C to +60°C

Bend Radius

Installation Min.
4 in

Bulk Cable Weight:	104 lbs/1000ft
Max. Pull Tension:	161 lbs

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	VW-1
NEC / UL Compliance:	CMX
AWM Compliance:	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, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.336 Revision Date: 09-30-2020
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