



**Product:** [9273](#) 

Mil-Spec Coax, 50 Ohm, RG-223, 19 AWG Solid SC, Double 95% SC Braid, PVC Jkt, CMX, Commercial Non-QPL

### Product Description

Mil-Spec Coax, 50 Ohm, RG-223, 19 AWG Solid Silvered Copper Conductor, PE Insulation, Double 95% Silvered Copper Braid Shield, PVC Jacket (Non-Contaminating), CMX, Commercial, non-QPL

### Technical Specifications

#### Product Overview

Suitable Applications:	High frequency microwave and satellite, Point-to-point and point-to-multipoint wireless antenna communication
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#### Construction Details

RG Type:	223
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#### Conductor

AWG	Stranding	Nom. Diameter	Material
19	Solid	0.034 in	SC - Silvered Copper

#### Insulation

Material	Nom. Diameter
PE - Polyethylene	0.117 in

#### Outer Shield Material

Layer	Outer Shield Type	Material	Coverage
1	Braid	Silvered Copper (SC)	95%
2	Braid	Silvered Copper (SC)	95%

#### Outer Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride (Non-Contaminating)	0.212 in

#### Electrical Characteristics

##### Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.4 dB/100ft
10 MHz	1.2 dB/100ft
50 MHz	2.8 dB/100ft
100 MHz	4.1 dB/100ft
200 MHz	6.0 dB/100ft
400 MHz	8.8 dB/100ft
700 MHz	12 dB/100ft
900 MHz	13.8 dB/100ft
1000 MHz	14.5 dB/100ft

##### Power Rating

Frequency [MHz]	Max. Power Rating [W]
50 MHz	350 W

400 MHz	86 W
1,000 MHz	50 W

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedance
8.8 Ohm/1000ft	2.5 Ohm/1000ft	30.8 pF/ft	50 Ohm

#### Voltage

UL Voltage Rating	Non-UL Voltage Rating
30 V RMS (UL AWM Style 1354)	1400 V (Mil-Spec)

## Mechanical Characteristics

#### Temperature

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

#### Bend Radius

Installation Min.
2.1 in

Bulk Cable Weight:	36 lbs/1000ft
Max. Pull Tension:	68 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 (M17/167-00001)
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: 0.316 Revision Date: 08-25-2020
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