



**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

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

#### Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene	0.117 in (2.97 mm)	White

#### Outer Shield

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

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride (Non-Contaminating)	0.212 in (5.38 mm)

Overall Cable Diameter (Nominal):	0.212 in (5.38 mm)
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#### Electrical Characteristics

##### Attenuation

Frequency	Nom. Attenuation
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	Max. Power Rating
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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. Characteristic Impedance	Nom. Velocity of Prop.
8.8 Ohm/1000ft	2.5 Ohm/1000ft (8.2 Ohm/km)	30.8 pF/ft (101 pF/m)	50 Ohm	66%

#### Voltage

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

## Mechanical Characteristics

#### Temperature

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

#### Bend Radius

Installation Min.
2.1 in (53 mm)

Max. Pull Tension:	87 lbs (39 kg)
Bulk Cable Weight:	37 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor, Aerial - Black only, When supported by messenger wire
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	CMX
AWM Compliance:	AWM 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 (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: 0.518 Revision Date: 04-13-2023
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## Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9273 010100	Black	Reel	100 ft	612825226307	
9273 010500	Black	Reel	500 ft	612825226277	
9273 010U500	Black	UnReel	500 ft	612825357872	
9273 0101000	Black	Reel	1,000 ft	612825226314	C
9273 010U1000	Black	UnReel	1,000 ft	612825226284	

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