



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
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: 0.522 Revision Date: 02-20-2026
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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 0101000	Black	Reel	1,000 ft	612825226314	C

Footnote:	C - CRATE REEL PUT-UP.
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