

METRIC MEASUREMENT VERSION

9273 Coax - 50 Ohm Coax

For more Information  
please call

1-800-Belden1



## General Description:

19 AWG Solid .034" silver-coated copper conductor, polyethylene insulation, double silver-coated copper braid shield (95% coverage), non-contaminating PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	19	Solid	SCC - Silver-coated Copper	0.8636

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	2.9718

### Outer Shield

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Braid	Silver-coated Copper	95
2	Braid	Silver-coated Copper	95

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

### Overall Cable

Overall Nominal Diameter: 5.385 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +60°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 53.575 Kg/Km

Max. Recommended Pulling Tension: 386.993 N

Min. Bend Radius/Minor Axis: 57.150 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMX

CEC/C(UL) Specification: CMX

AWM Specification: UL Style 1354

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: No

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Military Specification:	MIL-C-17, M17/167-00001
RG Type:	223/U

### Flame Test

UL Flame Test:	VW-1
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### Suitability

Suitability - Indoor:	Yes
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

#### Impedance (Ohm)

50

### Nom. Inductance:

#### Inductance (µH/m)

0.252637

### Nom. Capacitance Conductor to Shield:

#### Capacitance (pF/m)

101.055

### Nominal Velocity of Propagation:

#### VP (%)

66

### Nominal Delay:

#### Delay (ns/m)

5.05274

### Nom. Conductor DC Resistance:

#### DCR @ 20°C (Ohm/km)

28.8728

### Nominal Outer Shield DC Resistance:

#### DCR @ 20°C (Ohm/km)

8.2025

### Nom. Attenuation:

#### Freq. (MHz) Attenuation (dB/100m)

1	1.3124
10	3.9372
50	9.1868
100	13.4521
200	19.686
400	28.8728
700	39.372
900	45.2778
1000	47.5745

### Max. Operating Voltage - UL:

#### Voltage

30 V RMS (UL AWM Style 1354)

**Max. Operating Voltage - Non-UL:**

<b>Voltage</b>
1400 V RMS

**Notes (Overall)**

**Notes:** Non-SWR swept version of RG-223

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9273 010U1000	1,000 FT	39.000 LB	BLACK		M17/167-00001 COAX
9273 010U500	500 FT	20.000 LB	BLACK		M17/167-00001 COAX
9273 010100	100 FT	4.400 LB	BLACK		M17/167-00001 COAX
9273 0101000	1,000 FT	38.000 LB	BLACK	C	M17/167-00001 COAX
9273 010500	500 FT	20.000 LB	BLACK		M17/167-00001 COAX

**Notes:**

C = CRATE REEL PUT-UP.

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