

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

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

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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 (μ H/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)

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Max. Operating Voltage - Non-UL:

Voltage

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	305 MT	17.690 KG	BLACK		M17/167-00001 COAX
9273 010U500	152 MT	9.072 KG	BLACK		M17/167-00001 COAX
9273 010100	30 MT	1.996 KG	BLACK		M17/167-00001 COAX
9273 0101000	305 MT	17.237 KG	BLACK	C	M17/167-00001 COAX
9273 010500	152 MT	9.072 KG	BLACK		M17/167-00001 COAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-01-2013

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