

9273 Coax - 50 Ohm Coax

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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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:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	223/U
AWG	19
Stranding	Solid
Conductor Diameter	.034 in.
Conductor Material	SCC - Silver-coated Copper

INSULATION:

Insulation Material	PE - Polyethylene
Insulation Diameter	.117 in.

OUTER SHIELD:

Outer Shield Type	Braid/Braid
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Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1		Braid	Silver-coated Copper	95
2		Braid	Silver-coated Copper	95

Outer Shield % Coverage	95 %
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OUTER JACKET:

Outer Jacket Material	PVCNC - Polyvinyl Chloride Non-Contaminating
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.212 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +60°C
UL Temperature Rating	60°C (UL AWM Style 1354)
Bulk Cable Weight	36 lbs/1000 ft.

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Max. Recommended Pulling Tension	87 lbs.
Min. Bend Radius (Install)	2.25 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMX
CEC/C(UL) Specification	CMX
AWM Specification	UL Style 1354 (30 V 60°C)
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
Military Specification	MIL-C-17G, M17/167-00001

FLAME TEST:

UL Flame Test	VW-1
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	.077 μ H/ft
Nom. Capacitance Conductor to Shield	30.8 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	8.8 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	2.5 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.4
	10			1.2
	50			2.8
	100			4.1
	200			6.0
	400			8.8
	700			12.0
	900			13.8
	1000			14.5

Max. Operating Voltage - UL	30 V RMS (UL AWM Style 1354)
Max. Operating Voltage - Non-UL	1400 V RMS

NOTES:

Notes	Non-SWR swept version of RG-223
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9273 010100	RG-223/U COAX	100	4.7	BLACK	
9273 0101000	RG-223/U COAX	1000	37	BLACK	C
9273 010500	RG-223/U COAX	500	18.5	BLACK	
9273 010U1000	RG-223/U COAX	U1000	39	BLACK	
9273 010U500	RG-223/U COAX	U500	20	BLACK	

C = CRATE REEL PUT-UP.

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