# **Detailed Specifications & Technical Data**

**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		Stranding	Conductor Material	Dia. (mm)
ı	1	19	Solid	SCC - Silver-coated Copper	0.8636

Total Number of Conductors:

### 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**

CMX
CMX
UL Style 1354
Yes
No
Yes
-

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# **Electrical Characteristics (Overall)**

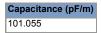
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



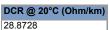
Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:



**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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# **Detailed Specifications & Technical Data**

### METRIC MEASUREMENT VERSION



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Max. Operating Voltage - Non-UL:

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	С	M17/167-00001 COAX
9273 010500	152 MT	9.072 KG	BLACK		M17/167-00001 COAX

C = CRATE REEL PUT-UP.

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