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1-800-Belden1



## 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

### 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 Cabling

**Overall Nominal Diameter:** 5.385 mm

## Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-40°C To +60°C
<b>UL Temperature Rating:</b>	60°C (UL AWM Style 1354)
<b>Bulk Cable Weight:</b>	53.575 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	386.993 N
<b>Min. Bend Radius (Install)/Minor Axis:</b>	57.150 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMX
<b>CEC/C(UL) Specification:</b>	CMX
<b>AWM Specification:</b>	UL Style 1354 (30 V 60°C)
<b>EU CE Mark:</b>	No
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	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
MIL Order #39 (China RoHS):	Yes
Military Specification:	MIL-DTL-17H, M17/167-00001
RG Type:	223/U

### Flame Test

UL Flame Test:	VW-1
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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:

Voltage

1400 V RMS

## Notes (Overall)

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

## Related Documents:

No related documents are available for this product

## 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	16.783 KG	BLACK	C	M17/167-00001 COAX
9273 010500	152 MT	8.391 KG	BLACK		M17/167-00001 COAX

**Notes:**  
C = CRATE REEL PUT-UP.

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Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)