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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. (in.)
1	19	Solid	SCC - Silver-coated Copper	.034

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	.117

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: 0.212 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +60°C
UL Temperature Rating:	60°C
Bulk Cable Weight:	36 lbs/1000 ft.
Max. Recommended Pulling Tension:	87 lbs.
Min. Bend Radius/Minor Axis:	2.250 in.

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
MIL Order #39 (China RoHS):	Yes
Military Specification:	MIL-C-17, M17/167-00001

RG Type: 223/U

Flame Test

UL Flame Test: VW-1

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/ft)

.077

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

30.8

Nominal Velocity of Propagation:

VP (%)

66

Nominal Delay:

Delay (ns/ft)

1.54

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

8.8

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.5

Nom. Attenuation:

Freq. (MHz)	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:

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

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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