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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. (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
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/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

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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