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1-800-Belden1



General Description:

23 AWG solid bare copper-covered steel conductor, polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	23	Solid	BCCS - Bare Copper Covered Steel	0.5842

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	3.7084

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

Overall Cable

Overall Nominal Diameter: 6.121 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +60°C

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 53.575 Kg/Km

Max. Recommended Pulling Tension: 346.960 N

Min. Bend Radius/Minor Axis: 63.500 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 (30 V 60°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
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-17D

RG Type:	59B/U
Flame Test	
UL Flame Test:	VW-1
Suitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.377315

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
67.2605

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/m)
5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
160.769

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
8.5306

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.9686
10	3.6091
50	7.8744
100	11.1554
200	16.0769
400	22.967
700	31.8257
900	36.4191
1000	39.372

Max. Operating Voltage - UL:

Voltage
150 V RMS

Max. Operating Voltage - Non-UL:

Voltage
1700 V RMS

Misc. Information (Overall)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8263 010U1000	1,000 FT	38.000 LB	BLACK		#23 PE BRD PVC
8263 010U500	500 FT	19.500 LB	BLACK		#23 PE BRD PVC
8263 0101000	1,000 FT	39.000 LB	BLACK	C	#23 PE BRD PVC

Notes:
C = CRATE REEL PUT-UP.

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