Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8263 Coax - 75 Ohm Coax

For more Information please call

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

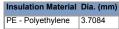
AWG:

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

Total Number of Conductors:

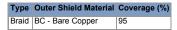
Insulation

Insulation Material:



Outer Shield

Outer Shield Material:



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
MII Order #39 (China RoHS):	Yes
Military Specification:	Mil-C-17D

Page 1 of 3 11-05-2015

Detailed Specifications & Technical Data

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	RG Type:	59B/U			
Fla	Flame Test				
	UL Flame Test:	VW-1			
Sui	Suitability				
	Suitability - Indoor:	Yes			
	Suitability - Outdoor:	Yes			
Ple	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	С	#23 PE BRD PVC

Notes: C = CRATE REEL PUT-UP.

Page 2 of 3 11-05-2015

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8263 Coax - 75 Ohm Coax

Revision Number: 2 Revision Date: 10-03-2012

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11-05-2015