Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



82241 Coax - 75 Ohm Coax

For more Information please call

1-800-Belden1



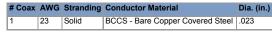
General Description:

23 AWG Solid .023" bare copper-covered steel conductor, plenum, FEP insulation, bare copper braid shield (95% coverage), Flamarrest® jacket.

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

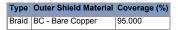
Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FEP - Fluorinated Ethylene Propylene	.134

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material		
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride		

Overall Cable

Overall Nominal Diameter:

0.190 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	60°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	34 lbs/1000 ft.
Max. Recommended Pulling Tension:	62 lbs.
Min. Bend Radius/Minor Axis:	2 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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 RoHS Compliance Date (mm/dd/yyyy): EU Directive 2002/96/EC (WEEE):	10/01/2005 Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2002/96/EC (WEEE): EU Directive 2003/11/EC (BFR):	Yes Yes

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Flam	ne Test	
-	UL Flame Test:	NFPA 262
Suita	ability	
;	Suitability - Indoor:	Yes
Plen	um/Non-Plenum	
ı	Plenum (Y/N):	Yes
7	Non-Plenum Number:	8241

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft) 19.5

Nominal Velocity of Propagation:

VP (%) 69.5

Nominal Delay:

Delay (ns/ft) 1.45

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 49.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.5
10	1.0
50	2.3
100	3.3
200	5.2
400	8.4
700	11.6
900	13.8
1000	14.8

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Operating Voltage - Non-UL:

Voltage 1700 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82241 877U1000	1,000 FT	36.000 LB	NATURAL		#23 FEP RG-59/U FLMRST
82241 877U500	500 FT	18.500 LB	NATURAL		#23 FEP RG59/U FLMRST
82241 8771000	1,000 FT	36.000 LB	NATURAL	С	#23 FEP RG-59/U FLMRST

Notes: C = CRATE REEL PUT-UP.

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Revision Number: 2 Revision Date: 09-24-2012

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