

# Product: 82241



Analog Video, RG59, #23 Solid BCCS, 95% BC Braid, Flamarrest® Jacket, CMP

## **Product Description**

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

## **Technical Specifications**

# Physical Characteristics (Overall)

Condu	ictor								
AWG	Stranding		Material		Nominal	Diameter	No. of Coax		
23	Solid	BCCS - Ba	re Copper (	Covered Steel	0.023 in		1		
Conductor Count:				1			_		
nsulat	tion								
	Mate	erial	No	ominal Diamet	er				
FEP -	Fluorinated E	Ethylene Pro	pylene 0.1	134 in					
Outer	Shield Mater	ial							
Туре	Materia	al Cov	erage [%]						
Braid	Bare Coppe	er (BC) 95%	)						
<b>0</b>									
Juter	Jacket Mater	-							
	Material Material Trade Name Nominal Diameter								
PVC-I	PVC-LS - Polyvinyl Chloride (Low Smoke) Flamarrest® 0.19 in								
Electrical Characteristics									
LIECI		acterist	5						
Condu	ctor DCR								
Nor	minal Condu DCR	ctor No	minal Con	ductor DCR C	onductor	Resistanc	e Nominal O	Duter Shield DCR	Outer Conductor DC

#### Capacitance

Nom. Capacitance Conductor to Shi	eld
19.5 pF/ft	

### Inductance

Nominal Inductance

#### Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss	
1 MHz	0.5 dB/100ft	
10 MHz	1 dB/100ft	

50 MHz	2.3 dB/100ft
100 MHz	3.3 dB/100ft
200 MHz	5.2 dB/100ft
400 MHz	8.4 dB/100ft
700 MHz	11.6 dB/100ft
900 MHz	13.8 dB/100ft
1000 MHz	14.8 dB/100ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.45 ns/ft	69.5%

### Voltage

Non-UL Voltage Rating	UL Voltage Rating
1700 V RMS	300 V RMS

## **Temperature Range**

Non-UL Temp Rating:	75°C
UL Temp Rating:	60°C
Operating Temp Range:	-20°C To +75°C

## **Mechanical Characteristics**

Bulk Cable Weight:	34 lbs/1000ft
Max. Pull Tension:	62 lbs
Min Bend Radius/Minor Axis:	2 in

# Standards

NEC/(UL) Compliance:	СМР
CEC/C(UL) Compliance:	СМР
RG Type:	59/U Type
Series Type:	Series 59

# Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
MII Order #39 (China RoHS):	Yes

# Suitability

Suitability - Indoor:	Yes	

# Flammability, LS0H, Toxicity Testing

UL voltage rating: 300 V RMS	

Yes

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# Plenum/Non-Plenum

Plenum (Y/N):

## Part Number

Non-Plenum Number:

Variants				
ltem #	Color	Putup Type	Length	UPC
82241 877U500	Natural	UnReel	500 ft	612825196495

Update and Revis	ion:			Revis
History				
Footnote:				C - C
82241 877U1000	Natural	UnReel	1,000 ft	612825196464
82241 8771000	Natural	Reel	1,000 ft	612825196457

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