

# Part Number: 8241 Analog Video, RG59, 23 AWG Solid BCCS, 95% BC Braid, PVC Jacket, CM

# **Product Description**

23 AWG Solid .023" bare copper-covered steel conductor, polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

# **Technical Specifications**

# **Product Overview**

Environmental Space:		Outdoor - Aerial			
Physical Characteristics (Overall)					
Conductor					
onuu	CIO				
	Stranding	Material		Nominal Diameter	No. of Coax
		Material BCCS - Bare Copper Co	overed Steel		No. of Coax

#### Insulation

Material	Nominal Diameter
PE - Polyethylene	0.146 in

## **Outer Shield Material**

Туре	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

# Outer Jacket Material

Material	Nominal Diamete
PVC - Polyvinyl Chloride	0.24 in

# **Electrical Characteristics**

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
49 Ohm/1000ft	2.6 Ohm/1000ft	2.6 Ohm/1000ft
Capacitance		
Nom. Capacitance Condu	ctor to Shield	
20.5 pF/ft		
nductance		
Nominal Inductance		
0.131 µH/ft		
mpedance		
Nominal Characteristic In	npedance	
75 Ohm		

1 MHz	0.6 dB/100ft
10 MHz	1.1 dB/100ft
50 MHz	2.4 dB/100ft
100 MHz	3.4 dB/100ft
200 MHz	4.9 dB/100ft
400 MHz	7 dB/100ft
700 MHz	9.7 dB/100ft
900 MHz	11.1 dB/100ft
1000 MHz	12 dB/100ft

# Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.54 ns/ft	66 %

#### Power Rating

Frequency [MHz]	Max. Power Rating [W]	Nominal Power Rating [W]
50 MHz	470 W	470 W
100 MHz	310 W	310 W
300 MHz	160 W	160 W
500 MHz	115 W	115 W
1,000 MHz	76 W	76 W

# Voltage

Non-UL Voltage Rating	UL Voltage Rating
1700 V RMS	30 V RMS (AWM 1354), 300 V RMS (CM)
	30 V RMS

# **Temperature Range**

UL Temp Rating:	75°C
Operating Temp Range:	-40°C To +75°C

## **Mechanical Characteristics**

Bulk Cable Weight:	37 lbs/1000ft
Max Recommended Pulling Tension:	62 lbs
Min Bend Radius/Minor Axis:	2.5 in

# Standards

NEC/(UL) Specification:	СМ
CEC/C(UL) Specification:	СМ
UL AWM Style:	UL Style 1354
CPR Euroclass:	Eca
RG Type:	59/U Type

# Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

# Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

### Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	30 V RMS (UL AWM Style 1354), 300 V RMS (UL CM)

#### **Plenum/Non-Plenum**

Plenum (Y/N):	No
Plenum Number:	88241, 82241

#### **Part Number**

#### Variants

Item #	Color	UPC	Length	Footnote
8241 010100	Black	61282535869	5 100 ft	
8241 0101000	Black	61282535601	1 1,000 ft	С
8241 0102000	Black	61282535870	1 2,000 ft	С
8241 010500	Black	61282535571	7 500 ft	С
8241 0105000	Black	61282535864	5,000 ft	С
8241 010U1000	Black	61282535806	0 1,000 ft	
8241 010U500	Black	61282535597	7 500 ft	
8241 006U1000	Blue, Light	61282535762	9 1,000 ft	
8241 005U1000	Green, Dark	61282535803	9 1,000 ft	
8241 003U1000	Orange	61282535560	1 1,000 ft	
8241 002U1000	Red	61282535804	6 1,000 ft	
8241 009U1000	White	61282535868	3 1,000 ft	
8241 004U1000	Yellow	61282535559	5 1,000 ft	
Footnote:			- CRATE F	REEL PUT-L

#### History

Update and Revision:

Revision Number: 0.259 Revision Date: 08-22-2019

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