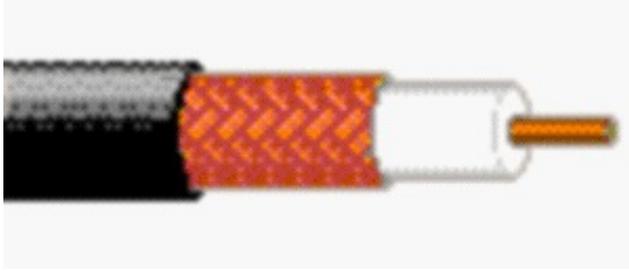


Part Number: 8241A

Analog Video, RG59, #23 Solid BCCS, 95% BC Braid, PVC Jacket, CMG



Product Description

23 AWG solid .023" bare copper-covered steel conductor, flame-retardant semi-foam Polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
23	Solid	BCCS - Bare Copper Covered Steel	0.023 in	1
Total Number of Conductors:				1

Insulation:

Material	Nominal Diameter
FR Semi-Foam PE - Flame Retardant Semi-Foam Polyethylene	0.146 in

Outershield 1:

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

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.242 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
49 Ohm/1000ft	2.6 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Shield

20.5 pF/ft

Impedance:

Nominal Characteristic Impedance

75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.6 dB/100ft
5 MHz	0.9 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	10.1 dB/100ft
900 MHz	11.7 dB/100ft
1000 MHz	13.2 dB/100ft

Delay:

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

Inductance:

Nominal Inductance

0.112 µH/ft

Voltage:

UL Voltage Rating

30V RMS (UL AWM Style 1354); 300V RMS V

Use

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	74 lbs

Safety

CSA Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading

Temperature Range

Operating Temp Range:	-40°C To +75°C °C
UL Temp Rating:	75°C (UL AWM Style 1354) °C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.5 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMG
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMG
RG Type:	59/U
UL AWM Style:	UL Style 1354 (30 V 75°C)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No

Product Variants

Part Number	Color	Put-Up Type	Length
8241A	BLACK	Reel	1000 ft
8241A	BLACK	Reel	305 m
8241A 0101000	BLACK	Reel	1000 ft
8241A	BLACK	UnReel	1000 ft
8241A	BLACK	UnReel	305 m
8241A 010U1000	BLACK	UnReel	1000 ft
8241A			

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