



**Product:** [8241](#)

75 Ohm Analog Video Coax, RG-59, 23 AWG Solid BCCS, 95% BC Braid, PVC Jkt, CM

### Product Description

75 Ohm Analog Video Coax, RG-59, 23 AWG Solid Bare Copper Covered Steel Conductor , PE Insulation, 95% Bare Copper Braid Shield, PVC Jacket, CM

### Technical Specifications

#### Product Overview

Suitable Applications:	Standard analog video
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#### Construction Details

RG Type:	59
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#### Conductor

Size	Stranding	Nom. Diameter	Material
23 AWG	Solid	0.023 in	BCCS - Bare Copper Covered Steel

#### Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene	0.146 in (3.71 mm)

#### Outer Shield

Outer Shield Type	Material	Coverage
Braid	Bare Copper (BC)	95%

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.240 in (6.10 mm)

Overall Cable Diameter (Nominal):	0.240 in (6.10 mm)
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#### Electrical Characteristics

##### Attenuation

Frequency	Nom. Attenuation
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	7.0 dB/100ft
700 MHz	9.7 dB/100ft
900 MHz	11.1 dB/100ft
1000 MHz	12.0 dB/100ft

##### Power Rating

Frequency	Max. Power Rating
50 MHz	470 W
100 MHz	310 W

300 MHz	160 W
500 MHz	115 W
1,000 MHz	76 W

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
49 Ohm/1000ft (160 Ohm/km)	2.6 Ohm/1000ft (8.5 Ohm/km)	20.4 pF/ft (66.9 pF/m)	75 Ohm	66%

#### Voltage

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

## Mechanical Characteristics

#### Temperature

UL Temperature	Operating
75°C	-30°C to +75°C

#### Bend Radius

Installation Min.
2.4 in

Max. Pull Tension:	63 lbs (29 kg)
Bulk Cable Weight:	37 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 UL Loading
NEC / UL Compliance:	CM
AWM Compliance:	1354
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	88241, 82241

## History

Update and Revision:	Revision Number: 0.327 Revision Date: 12-15-2021
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#### Variants

Item #	Color	Putup Type	Length	UPC
8241 010100	Black	Reel	100 ft	612825358695
8241 010500	Black	Reel	500 ft	612825355717
8241 010U500	Black	UnReel	500 ft	612825355977
8241 0101000	Black	Reel	1,000 ft	612825356011
8241 010U1000	Black	UnReel	1,000 ft	612825358060
8241 0102000	Black	Reel	2,000 ft	612825358701
8241 0105000	Black	Reel	5,000 ft	612825358640
8241 006U1000	Blue, Light	UnReel	1,000 ft	612825357629
8241 005U1000	Green, Dark	UnReel	1,000 ft	612825358039
8241 003U1000	Orange	UnReel	1,000 ft	612825355601
8241 002U1000	Red	UnReel	1,000 ft	612825358046
8241 009U1000	White	UnReel	1,000 ft	612825358688
8241 004U1000	Yellow	UnReel	1,000 ft	612825355595

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