



**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

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

#### Insulation

Material	Nom. Diameter
PE - Polyethylene	0.146 in

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.240 in

## 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 [MHz]	Max. Power Rating [W]
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. Impedance	Nom. Velocity
49 Ohm/1000ft	2.6 Ohm/1000ft	20.4 pF/ft	75 Ohm	66%

#### Voltage

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

## Mechanical Characteristics

#### Temperature

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

#### Bend Radius

Installation Min.
2.4 in

Bulk Cable Weight:	37 lbs/1000ft
Max. Pull Tension:	63 lbs

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	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), 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: 0.319 Revision Date: 03-16-2021
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