



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	Color Code
PE - Polyethylene	0.146 in (3.71 mm)	White

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

Nom. Attenuation
[delete]
[delete]
[delete]
[delete]
[delete]
[delete]
[delete]
[delete]
[delete]
[delete]

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	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 (61 mm)

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

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Aerial - Black only, When supported by messenger wire
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 UL Loading
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	CM
AWM Compliance:	AWM 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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	88241, 82241

History

Update and Revision:	Revision Number: 0.500 Revision Date: 02-20-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8241 010100	Black	Reel	100 ft	612825358695	
8241 010500	Black	Reel	500 ft	612825355717	C
8241 010U500	Black	UnReel	500 ft	612825355977	
8241 0101000	Black	Reel	1,000 ft	612825356011	C
8241 010U1000	Black	UnReel	1,000 ft	612825358060	
8241 0105000	Black	Reel	5,000 ft	612825358640	C
8241 006U1000	Blue, Light	UnReel	1,000 ft	612825357629	
8241 002U1000	Red	UnReel	1,000 ft	612825358046	

Footnote:	C - CRATE REEL PUT-UP.
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