

Product: [88241](#) 

Analog Video, RG59, #23 Solid BCCS, 95% BC Braid, FEP Jacket, CMP



Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	Standard analog video
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Construction Details

RG Type:	59
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Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	23 AWG	Solid	0.023 in	BCCS - Bare Copper Covered Steel

Insulation

Material	Nom. Insulation Diameter	Color Code
FEP - Fluorinated Ethylene Propylene	0.132 in (3.35 mm)	Clear

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.190 in (4.83 mm)

Overall Cable Diameter (Nominal):	0.190 in (4.83 mm)
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Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.5 dB/100ft
10 MHz	1 dB/100ft
50 MHz	2.3 dB/100ft
100 MHz	3.3 dB/100ft
200 MHz	5.2 dB/100ft
400 MHz	8.4 dB/100ft
700 MHz	11.6 dB/100ft
900 MHz	13.8 dB/100ft
1000 MHz	14.8 dB/100ft

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)	19.5 pF/ft (64.0 pF/m)	75 Ohm	70%

Voltage

UL Voltage Rating	Voltage Rating
300 V RMS	1700 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
200°C	-70°C To +200°C

Bend Radius

Stationary Min.	Installation Min.
1.9 in (48 mm)	1.9 in (48 mm)

Max. Pull Tension:	70 lbs (32 kg)
Bulk Cable Weight:	37 lbs/1000ft (55 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Burial
Flammability / Reaction to Fire:	NFPA 262, FT6, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	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)
Non-Plenum Number:	8241

History

Update and Revision:	Revision Number: 0.596 Revision Date: 12-18-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
88241 010500	Black	Reel	500 ft	612825216957	C
88241 0101000	Black	Reel	1,000 ft	612825216933	C

Footnote:	C - CRATE REEL PUT-UP.
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