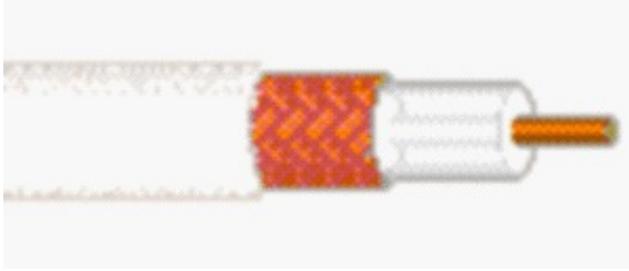


Part Number: 82241

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



Product Description

23 AWG Solid .023" bare copper-covered steel conductor, plenum, FEP insulation, bare copper braid shield (95% coverage), Flamarrest® 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
FEP - Fluorinated Ethylene Propylene	0.134 in

Outershield 1:

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

Outerjacket 1:

Material	Material Trade Name	Nominal Diameter
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.19 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

19.5 pF/ft

Impedance:

Nominal Characteristic Impedance

75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
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

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.45 ns/ft	69.5 %

Inductance:

Nominal Inductance

0.126 μ H/ft

Voltage:

Non-UL Voltage Rating	UL Voltage Rating
1700V RMS	300V RMS V

Use

Suitability - Indoor:	Yes
Max Recommended Pulling Tension:	62 lbs

Safety

UL Flammability:	NFPA 262
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Temperature Range

Non-UL Temp Rating:	75°C °C
Operating Temp Range:	-20°C To +75°C °C
UL Temp Rating:	60°C °C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2 in
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Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	8241

Standards

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

Product Variants

Part Number	Color	Put-Up Type	Length
82241	NATURAL	Reel	1000 ft
82241	NATURAL	Reel	305 m
82241 8771000	NATURAL	Reel	1000 ft
82241	NATURAL	UnReel	1000 ft
82241 877U1000	NATURAL	UnReel	1000 ft
82241	NATURAL	UnReel	500 ft
82241	NATURAL	UnReel	152 m
82241 877U500	NATURAL	UnReel	500 ft
82241			

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