



Part Number: 8241F

Analog Video, RG59, 22 AWG Stranded BC, BC Braid, PVC Jacket

Product Description

RG-59/U, 22 AWG stranded (7x30) .030" bare copper conductor, foam polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
22	7x30	BC - Bare Copper	0.03 in	1

Conductor Count:	1
AWG Size:	22

Insulation

Material	Nominal Diameter
FPE - Foamed Polyethylene	0.146 in

Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.241 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
15 Ohm/1000ft	2.6 Ohm/1000ft	2.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
17.3 pF/ft

Inductance

Nominal Inductance
0.09 μ H/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.3 dB/100ft

10 MHz	0.9 dB/100ft
50 MHz	2.1 dB/100ft
100 MHz	3 dB/100ft
200 MHz	4.5 dB/100ft
400 MHz	6.6 dB/100ft
700 MHz	8.9 dB/100ft
900 MHz	10.1 dB/100ft
1000 MHz	10.9 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78 %

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
400 MHz	7.4 dB/100ft

Voltage

Non-UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	60°C
Operating Temp Range:	-30°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	33 lbs/1000ft
Max Recommended Pulling Tension:	65 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

CPR Euroclass:	Fca
RG Type:	RG-59/U Type

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Part Number

Plenum (Y/N):	No
Footnote:	C - CRATE REEL PUT-UP.

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