

Product: [82259](#) 



Analog Video, RG59, #22 Str BC, 95% BC Braid, Flamarrest® Jacket, CMP

Product Description

22 AWG stranded (7x30) .030" bare copper conductor, plenum, foam FEP insulation, bare copper braid shield (95% coverage), Flamarrest® jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Coax
22	Stranded	BC - Bare Copper	0.03 in	1
Conductor Count:				1

Insulation	
Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.135 in

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

Outer Jacket		
Material	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Flamarrest®	0.193 in

Electrical Characteristics

Conductor DCR				
Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
15 Ohm/1000ft	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 µH/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	9 dB/100ft
900 MHz	10.1 dB/100ft
1000 MHz	11 dB/100ft

Delay

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

Voltage

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

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	30 lbs/1000ft
Max. Pull Tension:	65 lbs
Min. Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	59

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
MIL Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
82259 8771000	Natural	UnReel	1,000 ft	612825196501
82259 877U1000	Natural	UnReel	1,000 ft	612825355694

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.280 Revision Date: 09-10-2021
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