

**Part Number:** 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

### Construction and Dimensions

#### Conductor:

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

#### Insulation:

Material	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	0.135 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®	0.193 in

## Electrical Characteristics

#### Conductor DCR:

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

## Capacitance:

### Nom. Capacitance Conductor to Shield

17.3 pF/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 %

## Inductance:

### Nominal Inductance

0.09  $\mu$ H/ft

## Voltage:

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

## Use

Suitability - Indoor:	Yes
Max Recommended Pulling Tension:	65 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:	75°C °C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.5 in
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## Part Number

Plenum (Y/N):	Yes
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## 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
82259	NATURAL	UnReel	1000 ft
82259	NATURAL	Reel	305 m
82259 8771000	NATURAL	UnReel	1000 ft
82259	NATURAL	UnReel	1000 ft
82259	NATURAL	UnReel	305 m
82259 877U1000	NATURAL	UnReel	1000 ft
82259			

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