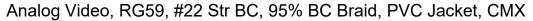


**Product:** <u>9659</u> ☑





# **Product Description**

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

## **Technical Specifications**

## **Physical Characteristics (Overall)**

# Conductor AWG Stranding Material Nominal Diameter No. of Coax 22 7x30 BC - Bare Copper 0.03 in 1 Conductor Count: 1 Insulation Material Nominal Diameter PE - Polyethylene (Foam) 0.146 in Outer Shield

#### Tune M

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

#### Outer Jacket

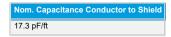
Material	Nominal Diameter
PVC - Polyvinyl Chloride (Non-Contaminating)	0.242 in

## **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



#### Inductance

Nominal Inductance

## Impedance

Nominal Characteristic Impedance
75 Ohm

#### Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-450 MHz	23 dB

#### 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%

#### Voltage

Non-UL Voltage Rating	UL Voltage Rating
300 V RMS	150 V RMS

# **Temperature Range**

Operating Temperature Range:	-40°C To +80°C

## **Mechanical Characteristics**

Bulk Cable Weight:	35 lbs/1000ft
Max. Pull Tension:	65 lbs
Min. Bend Radius/Minor Axis:	2.5 in

## **Standards**

NEC/(UL) Compliance:	CMX
CEC/C(UL) Compliance:	CMX
UL AWM Style Compliance:	AWM 1354 (30 V 60°C)
RG Type:	59
Series Type:	59

# **Applicable Environmental and Other Programs**

Environmental Space:	Indoor/Outdoor
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:	Yes
MII Order #39 (China RoHS):	Yes

# Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

# Flammability, LS0H, Toxicity Testing

	UL Flammability:	VW-1
	CSA Flammability:	FT1
ı	UL voltage rating:	150 V RMS

# Plenum/Non-Plenum

Plenum (V/N):	No	
Fieriani (1714).	INO	

## **Related Part Numbers**

Item #	Color	Put-Up Type	Length	UPC
9659 010U500	Black	UnReel	500 ft	612825414728
9659 0101000	Black	Reel	1,000 ft	612825356028

#### **Product Notes**

Notes: For CCTV Applications.
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#### **History**

Update and Revision:	Revision Number: 0.331 Revision Date: 11-09-2022		

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