



Product: [1191AM](#)

CATV Video, RG6, 18 AWG BCCS, Quad Shield, Messenger



## Product Description

Series 6, 18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (Foil + 60% Braid + Foil + 40% Braid), PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BCCS - Bare Copper Covered Steel	0.04 in	1

Conductor Count:	1
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#### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.18 in

Table Notes:	Gas Injected
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#### Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Aluminum		60%
Tape	3	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	4	Aluminum		40%

#### Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	.298 x .433 in

### Construction and Dimensions

OuterJacket1, Messenger Diameter:	0.051 in
OuterJacket1, Messenger Material:	Galvanized Steel

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
28 Ohm/1000ft	4.8 Ohm/1000ft	4.8 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
16.2 pF/ft

#### Inductance

Nominal Inductance
0.097 $\mu$ H/ft

## Impedance

### Nominal Characteristic Impedance

75 Ohm

## Return Loss (RL)

### Frequency [MHz] | Min. Structural Return Loss (SRL)

5 - 50 MHz | 20 dB

## High Frequency (Nominal/Typical)

### Frequency [MHz] | Nom. Insertion Loss

5 MHz	0.58 dB/100ft
55 MHz	1.60 dB/100ft
211 MHz	3.05 dB/100ft
250 MHz	3.30 dB/100ft
270 MHz	3.37 dB/100ft
300 MHz	3.55 dB/100ft
330 MHz	3.74 dB/100ft
350 MHz	3.85 dB/100ft
400 MHz	4.15 dB/100ft
450 MHz	4.40 dB/100ft
500 MHz	4.66 dB/100ft
550 MHz	4.90 dB/100ft
600 MHz	5.10 dB/100ft
750 MHz	5.65 dB/100ft
870 MHz	6.11 dB/100ft
1000 MHz	6.55 dB/100ft

## Delay

### Nominal Delay | Nominal Velocity of Propagation (VP) [%]

1.2 ns/ft | 83%

## High Frequency

### Frequency [MHz] | Max. Insertion Loss (Attenuation)

5 MHz	0.67 dB/100ft
55 MHz	1.6 dB/100ft
211 MHz	2.87 dB/100ft
270 MHz	3.24 dB/100ft
300 MHz	3.43 dB/100ft
350 MHz	3.72 dB/100ft
400 MHz	4 dB/100ft
450 MHz	4.26 dB/100ft
550 MHz	4.71 dB/100ft
750 MHz	5.59 dB/100ft
870 MHz	6 dB/100ft
1000 MHz	6.54 dB/100ft

## Voltage

### Non-UL Voltage Rating

350 V RMS

## Temperature Range

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

## Mechanical Characteristics

Bulk Cable Weight:	44 lbs/1000ft
Max. Pull Tension:	110 lbs
Min. Bend Radius/Minor Axis:	3 in

## Standards

RG Type:	6
Series Type:	6

## Applicable Environmental and Other Programs

Environmental Space:	Outdoor - Aerial
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/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

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	Length	UPC
1191AM 0101000	Black	Reel	1,000 ft	612825108160

## History

Update and Revision:	Revision Number: 0.383 Revision Date: 04-29-2024
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