

## Part Number: 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

##### Product Overview

Environmental Space:	Outdoor - Aerial
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##### 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		
Conductor Size:		18 AWG		

###### Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.18 in

###### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Bonded Duofoil®	100 %
Braid	2	AL - Aluminum		60 %
Tape	3	Aluminum/Polyester/Aluminum	Duofoil®	100 %
Braid	4	AL - Aluminum		40 %

###### Outer Jacket Material

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	
Shielding:	Foil + Braid + Foil + Braid (Quad)

###### Inductance

Nominal Inductance
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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 Freq

##### 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 Temp Range: -40°C To +80°C

#### Mechanical Characteristics

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

#### Standards

RG Type: 6/U Type

Series Type:	Series 6
RG / Series Type:	Series 6

## 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:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color
1191AM 0101000	Black

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