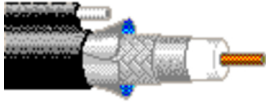


Product: [9119M](#) 



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

Product Description

Series 6, 18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® III, aluminum braid shield (60% coverage), 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%

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.275 x 0.416 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	6.5 Ohm/1000ft	6.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.2 pF/ft

Inductance

Nominal Inductance
0.097 µH/ft

Impedance

Nominal Characteristic Impedance

75 Ohm

Return Loss (RL)

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

5-1000 MHz | 20 dB

Delay

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

1.2 ns/ft | 83%

High Frequency

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

5 MHz | 0.58 dB/100ft

55 MHz | 1.60 dB/100ft

211 MHz | 3.05 dB/100ft

270 MHz | 3.37 dB/100ft

300 MHz | 3.55 dB/100ft

350 MHz | 3.85 dB/100ft

400 MHz | 4.15 dB/100ft

450 MHz | 4.40 dB/100ft

550 MHz | 4.90 dB/100ft

750 MHz | 5.65 dB/100ft

870 MHz | 6.11 dB/100ft

1000 MHz | 6.55 dB/100ft

Voltage

Non-UL Voltage Rating

350 V RMS

Temperature Range

Non-UL Temp Rating: 80°C

Operating Temp Range: -40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight: 41 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 Compliance: EU Directive 2003/11/EC (BFR)

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
9119M 0101000	Black	Reel	1,000 ft	612825224709
9119M 0081000	Gray	Reel	1,000 ft	612825224693

History

Update and Revision:	Revision Number: 0.373 Revision Date: 12-15-2021
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