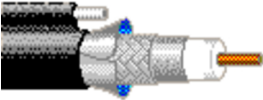


Product: [9059M](#) 



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

Product Description

18 AWG Solid .040" bare copper-covered steel conductor, gas-injected foam Polyethylene insulation, Duobond Plus® and 75% Aluminum braid shield, PVC jacket with messenger.

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	

Insulation	
Material	Nominal Diameter
PE - Polyethylene (Foam)	0.18 in
Table Notes:	Gas Injected

Outer Shield Material				
Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly / Alum	Bonded Duofoil®	100%
Braid	2	Aluminum		75%
Tape	3	Alum / Poly		100%
Table Notes:			Tape has shorting fold and is bonded to jacket	

Outer Jacket Material	
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	5.6 Ohm/1000ft	5.6 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 Freq

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

Operating Temp Range:	-40°C To +80°C
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Mechanical Characteristics

Bulk Cable Weight:	42 lbs/1000ft
Max. Pull Tension:	110 lbs
Min Bend Radius/Minor Axis:	3 in

Standards

RG Type:	6/U Type
Series Type:	6

Applicable Environmental and Other Programs

Environmental Space:	Outdoor
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 RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MIL Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	Yes
Suitability - Indoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
9059M 0101000	Black	Reel	1,000 ft	612825224143

History

Update and Revision:	Revision Number: 0.293 Revision Date: 04-28-2020
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