



Part Number: 9117M

CATV Video, RG6, #18 BCCS, Foil + 60% Braid, Messenger

Product Description

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

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

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

Insulation:

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

Outershield 1:

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

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.27 x 0.41 in
OuterJacket1, Messenger Diameter:	0.051 in
OuterJacket1, Messenger Material:	Galvanized Steel

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
28 Ohm/1000ft	9 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Shield	
16.2 pF/ft	
Sweep Testing:	5 MHz - 1 GHz

Impedance:

Nominal Characteristic Impedance
75 Ohm

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.2 ns/ft	83 %

High Freq:

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. SRL (Structural Return Loss)
5 MHz	0.67 db/100ft	20 dB
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	

Inductance:

Nominal Inductance
0.097 μ H/ft

Voltage:

Non-UL Voltage Rating

350V RMS

Use

Max Recommended Pulling Tension: 110 lbs

Safety

Temperature Range

Operating Temp Range: -40°C To +80°C

Mechanical Characteristics

Min Bend Radius/Minor Axis: 2.75 in

Part Number

Plenum (Y/N): No

Standards

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Series Type: Series 6

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: No

History

Product Variants

Part Number	Color	Put-Up Type	Length
9117M 0101000	BLACK	Reel	1000 ft

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