
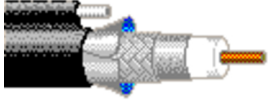


Product: [1615BM](#) 



CATV, RG6 Type, 18 AWG BCCS, Tri Shield (Foil + 77% Braid + Foil), Messenger, PVC Jacket

Product Description

Series 6, 18 AWG solid .040" bare copper-covered steel conductor(s), gas-injected foam polyethylene insulation, Duobond® III (outer tape bonded to jacket); aluminum braid shield (77% coverage), PVC jacket, galvanized steel messenger wire.

Technical Specifications

Product Overview

Suitable Applications:	CATV, broadband
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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
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Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.18 in

Table Notes:	Gas Injected
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Outer Shield Material

Type	Description	Layer	Material	Material Trade Name	Coverage [%]
Tape		1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid		2	Aluminum		77%
Tape	Bonded to Jacket	3	Bi-Laminate (Alum+Poly)	Duofoil®	100%

Table Notes:	Tape is bonded to Jacket
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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 μ H/ft

Impedance

Nominal Characteristic Impedance

75 Ohm

Nominal Characteristic Tolerance

\pm 3 Ohm

Return Loss (RL)

Frequency [MHz]

5 - 1000 MHz

Min. Structural Return Loss (SRL)

20 dB

Delay

Nominal Delay

1.2 ns/ft

Nominal Velocity of Propagation (VP) [%]

83%

High Freq

Frequency [MHz]

5 MHz

0.58 dB/100ft

55 MHz

1.6 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

Voltage

Non-UL Voltage Rating

300 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: 182 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 - Aerial

EU Directive 2000/53/EC (ELV): 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

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
1615BM 0101000	Black	Reel	1,000 ft	612825119234

Product Notes

Notes:	Outer shield tape bonded to jacket
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History

Update and Revision:	Revision Number: 0.157 Revision Date: 09-30-2020
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