
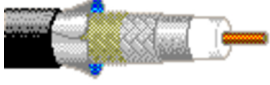


Product: [1614B](#) 



CATV, RG6, 18 AWG BCCS, Tri Shield (Foil + 77% Braid + Foil), Flooding Grease, PE 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), flooding compound, polyethylene jacket.

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	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%

Table Notes:	Coreguard®
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Outer Jacket Material

Material	Nominal Diameter
PE - Polyethylene	0.275 in

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	Nominal Characteristic Tolerance
75 Ohm	± 3 Ohm

Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss (SRL)
5 - 1000 MHz	20 dB

Delay

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

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
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:	-55°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	24 lbs/1000ft
Max. Pull Tension:	109 lbs
Min Bend Radius/Minor Axis:	3 in

Standards

RG Type:	6/U Type
Series Type:	6

Applicable Environmental and Other Programs

Environmental Space:	Water Exposure/Below-Grade Conduit
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 - When supported by messenger wire
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Suitability - Burial:	Yes
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
1614B 0101000	Black	Reel	1,000 ft	612825119210
1614B 0031000	Orange	Reel	1,000 ft	612825119203

Product Notes

Notes:	Floing grease between outer shield tape and jacket
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History

Update and Revision:	Revision Number: 0.165 Revision Date: 09-30-2020
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