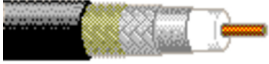


Product: [9066](#) 

CATV Video, RG6, 18 AWG BCCS, Foil + Braid



### Product Description

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

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly / Alum	Duofoil®	100%
Braid	2	Aluminum		60%

Table Notes:	CoreGuard®
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##### Outer Jacket Material

Material	Nominal Diameter
PE - Polyethylene	0.27 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
28 Ohm/1000ft	9 Ohm/1000ft	9 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:	-55°C To +80°C
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#### Mechanical Characteristics

Bulk Cable Weight:	23 lbs/1000ft
Max. Pull Tension:	126 lbs
Min Bend Radius/Minor Axis:	2.75 in

#### Standards

Series Type:	6
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#### Applicable Environmental and Other Programs

Environmental Space:	Outdoor - Direct Burial
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 CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Burial:	Yes
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
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9066 0101000	Black	Reel	1,000 ft	612825388135
9066 0031000	Orange	Reel	1,000 ft	612825224174

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.300 Revision Date: 06-24-2020
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