



**Product:** <u>9116</u> ☑

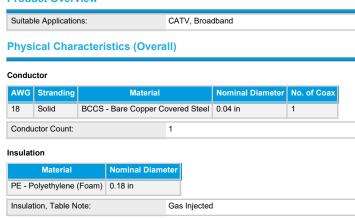
CATV Video, RG6, #18 BCCS, Foil + 60% Braid, CM

#### **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.

#### **Technical Specifications**

#### **Product Overview**



#### **Outer Shield Material**

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

#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.27 in

#### **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

#### 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	1.60 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

UL Voltage Rating 300 V RMS

# **Temperature Range**

Operating Temp Range:	-40°C To +80°C

#### **Mechanical Characteristics**

UV Resistance:	Yes
Bulk Cable Weight:	27 lbs/1000ft
Max Recommended Pulling Tension:	126 lbs
Min Bend Radius/Minor Axis:	2.75 in

# **Standards**

NEC/(UL) Specification:	CATV, CM
CEC/C(UL) Specification:	CM
CPR Euroclass:	Eca
Series Type:	Series 6

# **Applicable Environmental and Other Programs**

Environmental Space:	Indoor (Not Riser or Plenum)
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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
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

#### Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1581 Vertical Flame
CSA Flammability:	FT1
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	9116P

#### **Part Number**

#### Variants

Item #	Color	Putup Type	Length	UPC/EAN
9116 290U1000	Beige, Light	UnReel	1,000 ft	612825224389
9116-0101000	Black	Reel	305 m	8719605020123
9116-K101000	Black	Reel	305 m	8719605020154
9116 010500	Black	Reel	500 ft	612825224426
9116 010U500	Black	UnReel	500 ft	612825224457
9116 010S700	Black	Reel	700 ft	612825348313
9116 0101000	Black	Reel	1,000 ft	612825224440
9116 010U1000	Black	UnReel	1,000 ft	612825348320
9116 010N1000	Black	Reel w/Small Barrel	1,000 ft	612825224433
9116 009500	White	Reel	500 ft	612825224396
9116 0091000	White	Reel	1,000 ft	612825224419
9116 009U1000	White	UnReel	1,000 ft	612825348337
9116 009N1000	White	Reel w/Small Barrel	1,000 ft	612825224402
9116 Q5H1000	White, Neutral	Reel	1,000 ft	612825224372
9116 Q5HU1000	White, Neutral	UnReel	1,000 ft	612825224488

Footnote: C - CRATE REEL PUT-UP.

#### **Product Notes**

Notes: Print legend includes sequential footage marks.

# History

Update and Revision: Revision Number: 0.298 Revision Date: 04-28-2020

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# Belden Wire & Cable:

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