



Part Number: 1189A

CATV Video, RG6, 18 AWG BCCS, Quad Shield , CM

Product Description

CATV Video, Series 6, 18 AWG solid bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (Foil + 60% Braid + Foil + 40% Braid), CM, PVC jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
Suitable Applications:	CATV, Broadband

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
Conductor Size:	18 AWG

Insulation

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

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Bonded Duofoil® (Bonded to Dielectric)	100 %
Braid	2	AL - Aluminum		60 %
Tape	3	Aluminum/Polyester/Aluminum	Duofoil®	100 %
Braid	4	AL - Aluminum		40 %

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.294 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
28 Ohm/1000ft	4.8 Ohm/1000ft	4.8 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) [%]

1.22 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: 29 lbs/1000ft

Max Recommended Pulling Tension: 162 lbs

Min Bend Radius/Minor Axis: 3 in

Standards

NEC/(UL) Specification: CATV, CM

CEC/C(UL) Specification: CM

CPR Euroclass: Eca

RG Type: 6/U Type

Series Type: Series 6

Applicable Environmental and Other Programs

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

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

MII Order #39 (China RoHS):	Yes
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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, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1189AP

Part Number

Variants

Item #	Color	Footnote
1189A 2901000	Beige, Light	
1189A 0101000	Black	
1189A 0105000	Black	
1189A 010U1000	Black	
1189A 010U500	Black	
1189A 010N1000	Black	
1189A 0091000	White	C
1189A 009U1000	White	
1189A 009U500	White	
1189A 009N1000	White	

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

Notes:	Print legend includes sequential footage marks.
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