



Product: [1619AM](#)

CATV Video, RG11, 14 AWG BCCS, Quad Shield, Messenger



Product Description

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (Foil + 60% Braid + Foil + 40% Braid), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|----------------------------------|------------------|-------------|
| 14 | Solid | BCCS - Bare Copper Covered Steel | 0.064 in | 1 |

| | |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

Insulation

| Material | Nominal Diameter |
|--------------------------|------------------|
| PE - Polyethylene (Foam) | 0.28 in |

| | |
|--------------|--------------|
| Table Notes: | Gas Injected |
|--------------|--------------|

Outer Shield

| Type | Layer | Material | Material Trade Name | Coverage [%] |
|-------|-------|-------------------------------|---------------------|--------------|
| Tape | 1 | Tri-Laminate (Alum+Poly+Alum) | Duofoil® | 100% |
| Braid | 2 | Aluminum | | 60% |
| Tape | 3 | Tri-Laminate (Alum+Poly+Alum) | Duofoil® | 100% |
| Braid | 4 | Aluminum | | 40% |

Outer Jacket

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.407 x 0.56 in |

Construction and Dimensions

| | |
|-----------------------------------|------------------|
| OuterJacket1, Messenger Diameter: | 0.072 in |
| OuterJacket1, Messenger Material: | Galvanized Steel |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|--------------------------|---------------------|
| 11 Ohm/1000ft | 3 Ohm/1000ft | 3 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

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 Frequency

Frequency [MHz] | Max. Insertion Loss (Attenuation)

5 MHz | 0.38 dB/100ft

55 MHz | 0.96 dB/100ft

211 MHz | 1.9 dB/100ft

270 MHz | 2.13 dB/100ft

300 MHz | 2.25 dB/100ft

350 MHz | 2.42 dB/100ft

400 MHz | 2.6 dB/100ft

450 MHz | 2.75 dB/100ft

550 MHz | 3.04 dB/100ft

750 MHz | 3.65 dB/100ft

870 MHz | 4.06 dB/100ft

1000 MHz | 4.35 dB/100ft

Voltage

Non-UL Voltage Rating

300 V RMS

Temperature Range

Operating Temperature Range: -40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight: 77 lbs/1000ft

Max. Pull Tension: 220 lbs

Min. Bend Radius/Minor Axis: 4.5 in

Standards

RG Type: 11

Series Type: 11

Applicable Environmental and Other Programs

Environmental Space: Outdoor - Aerial

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (RoHS 2): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU (RoHS 2 amendment): Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: No

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|----------------|-------|-------------|----------|--------------|
| 1619AM 0101000 | Black | Reel | 1,000 ft | 612825119319 |

History

| | |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.382 Revision Date: 04-29-2024 |
|----------------------|--------------------------------------------------|

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.