



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Part Number: 1618A

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



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), polyethylene jacket.

Technical Specifications

Product Overview

| | |
|----------------------|--------------------------|
| Environmental Space: | Outdoor - Water Exposure |
|----------------------|--------------------------|

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 | |
| Conductor Size: | | | 14 AWG | |

Insulation

| Material | Nominal Diameter |
|--------------------------------------|------------------|
| Gas-injected FPE - Foam Polyethylene | 0.28 in |

Outer Shield Material

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

| | |
|-------|------------|
| Note: | CoreGuard® |
|-------|------------|

Outer Jacket Material

| Material | Nominal Diameter |
|-------------------|------------------|
| PE - Polyethylene | 0.407 in |

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 |

| | |
|------------|-----------------------|
| Shielding: | Multiple or Specialty |
|------------|-----------------------|

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 | 0.38 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 Temp Range: | -55°C To +80°C |
|-----------------------|----------------|

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 52 lbs/1000ft |
| Max Recommended Pulling Tension: | 308 lbs |
| Min Bend Radius/Minor Axis: | 4.25 in |

Standards

| | |
|-------------------|-----------|
| RG Type: | 11/U Type |
| Series Type: | Series 11 |
| RG / Series Type: | Series 11 |

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 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 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|------------------------|-----|
| Suitability - Burial: | Yes |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

| Item # | Color |
|---------------|--------|
| 1618A 0101000 | Black |
| 1618A 0031000 | Orange |

© 2018 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.