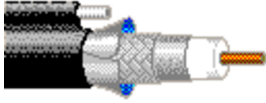


Part Number: 1615AM

CATV Video, RG6, 18 AWG BCCS, Tri Shield, Messenger, PVC Jacket



Product Description

CATV, Series 6, 18 AWG solid .040" bare copper-covered steel conductor(s), gas-injected foam polyethylene insulation, Duobond® III, aluminum braid shield (77% coverage), messenger wire, PVC jacket.

Technical Specifications

Product Overview

| | |
|----------------------|------------------|
| Environmental Space: | Outdoor - Aerial |
|----------------------|------------------|

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® | 100 % |
| Braid | 2 | AL - Aluminum | | 77 % |
| Tape | 3 | Aluminum/Polyester/Aluminum | Duofoil® | 100 % |

Outer Jacket Material

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | .275 x .416 in |

Construction and Dimensions

| | |
|-----------------------------------|------------------|
| OuterJacket1, Messenger Diameter: | 0.051 in |
| OuterJacket1, Messenger Material: | Galvanized Steel |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|--------------------------|---------------------|
| 28 Ohm/1000ft | 5.6 Ohm/1000ft | 5.6 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 | 0.58 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

| | |
|-----------------------|----------------|
| Non-UL Temp Rating: | 80°C |
| Operating Temp Range: | -40°C To +80°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 43 lbs/1000ft |
| Max Recommended Pulling Tension: | 110 lbs |
| Min Bend Radius/Minor Axis: | 3 in |

Standards

| | |
|-------------------|----------|
| RG Type: | 6/U Type |
| Series Type: | Series 6 |
| RG / 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 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 - Indoor: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item # | Color |
|----------------|-------|
| 1615AM 0101000 | Black |

© 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.