


Product: [1418B](#) 



RGB Video, #26-5 Coax Stranded BC, CM

## Product Description

RGB Video Coax, CM-Rated, 5-26 AWG stranded bare copper conductors, foam HDPE insulation, Duofoil® +95% tinned copper braid shield, inner PVC jackets, PVC jacket

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
26	7x34	BC - Bare Copper	0.019 in	5

Conductor Count:	5
------------------	---

#### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.089 in

#### Color Chart

Number	Color
1	Red
2	Green
3	Blue
4	White
5	Yellow

#### Inner Shield

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Tinned Copper (TC)		95%

#### Inner Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.146 in

#### Outer Jacket

Material	Nominal Diameter	Separator Material
PVC - Polyvinyl Chloride	0.477 in	Polyester Tape

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Inner Shield DCR	Outer Conductor DCR
41.5 Ohm/1000ft	41.5 Ohm/1000ft		8.6 Ohm/1000ft	8.6 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield

17.3 pF/ft
------------

#### Impedance

Nominal Characteristic Impedance
----------------------------------

75 Ohm
--------

#### Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
-----------------	---------------------

10-40 MHz	25 dB
-----------	-------

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
-----------------	---------------------

1 MHz	0.6 dB/100ft
-------	--------------

5 MHz	1.3 dB/100ft
-------	--------------

10 MHz	1.8 dB/100ft
--------	--------------

30 MHz	3.1 dB/100ft
--------	--------------

50 MHz	3.9 dB/100ft
--------	--------------

100 MHz	5.4 dB/100ft
---------	--------------

200 MHz	7.5 dB/100ft
---------	--------------

400 MHz	10.4 dB/100ft
---------	---------------

700 MHz	13.5 dB/100ft
---------	---------------

900 MHz	15.2 dB/100ft
---------	---------------

1000 MHz	15.9 dB/100ft
----------	---------------

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
---------------	--

1.3 ns/ft	78%
-----------	-----

#### High Frequency

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

30 MHz	3.6 dB/100ft
--------	--------------

#### Voltage

UL Voltage Rating	Voltage Rating [V]
-------------------	--------------------

30 V RMS	300 V RMS
----------	-----------

300 V RMS (CM)	
----------------	--

Electrical Characteristics Notes:	30 V RMS (UL AWM Style 1354) 300 V RMS (CM)
-----------------------------------	---

## Temperature Range

UL Temp Rating:	60°C
-----------------	------

Operating Temp Range:	-40°C To +60°C
-----------------------	----------------

## Mechanical Characteristics

Bulk Cable Weight:	109 lbs/1000ft
--------------------	----------------

Max. Pull Tension:	172 lbs
--------------------	---------

Min. Bend Radius/Minor Axis:	4 in
------------------------------	------

## Standards

NEC/(UL) Compliance:	CM
----------------------	----

CEC/C(UL) Compliance:	CM
-----------------------	----

UL AWM Style Compliance:	UL Style 1354 (30 V 60°C) (each coax); UL Style 2668 (overall)
--------------------------	--

RG Type:	Mini 59
----------	---------

Series Type:	59
--------------	----

Other Specification:	SMPTE
----------------------	-------

## Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
----------------------	------------------------------

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

EU Directive 2003/11/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
-----------------------	-----

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	30 V RMS

## Plenum/Non-Plenum

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

## Part Number

### Variants

Item #	Color	Put-Up Type	Length	UPC
1418B 010500	Black	Reel	500 ft	612825357896
1418B 0101000	Black	Reel	1,000 ft	612825355076

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

## History

Update and Revision:	Revision Number: 0.330 Revision Date: 12-15-2021
----------------------	--

© 2022 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.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Coaxial Cables](#) category:*

*Click to view products by [Belden](#) manufacturer:*

Other Similar products are found below :

[89880-003-1000](#) [CY2389-000](#) [8221-010-U1000](#) [9116-010-U500](#) [1322R-010-1000](#) [1807A-B59-U1000](#) [2020K8421-9X-CS3417](#) [9251-010-1000](#) [9275-010-U1000](#) [935240-000](#) [980704-001](#) [CF2823-000](#) [33312-010-500](#) [CZ1589-000](#) [5022W0809-0CS3263](#) [10610-4-4](#) [EF8108-000](#) [1673B TIN100](#) [672525-001](#) [144517-000](#) [735A1-008-1000](#) [134655-000](#) [8212-010-U500](#) [480414-000](#) [7915A 009U1000](#) [5024A1311-0](#) [1281S5 010250](#) [1530A 010U1000](#) [9248 010U1000](#) [7809WB 010500](#) [9244 0101000](#) [1694A 0081000](#) [1190A 0101000](#) [8241F J5C1000](#) [1674A TIN50](#) [7915A 0091000](#) [TRCH-50-2](#) [9066 0031000](#) [7805R 008100](#) [1674A TIN100](#) [9116SB 0101000](#) [9271 0061000](#) [1613A 0101000](#) [1807A B591000](#) [5339Q5 009U500](#) [539945 0091000](#) [9116R 0101000](#) [89207 010100](#) [9058 0101000](#) [8241A 0101000](#)