

## 1406B Coax - Bundled RGB Coaxial Cables - High Flex



For more Information  
please call

1-800-Belden1

**General Description:**

26 AWG stranded (7x34) .019" bare copper conductors, foam HDPE insulation, Duofoil® + tinned copper braid shield (95% coverage), overall PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
3	26	7x34	BC - Bare Copper	.019

Total Number of Conductors: 3

**Insulation**

Insulation Material:

Insulation Material	Dia. (in.)
FHDPE - Foam High Density Polyethylene	.089

**Inner Shield**

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	TC - Tinned Copper	95.000

**Inner Jacket**

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.146

Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue

**Outer Shield**

Outer Shield Material:

Outer Shield Material
Unshielded

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

Overall Cabling Separator Material: Polyester Tape

Overall Nominal Diameter: 0.388 in.

**Mechanical Characteristics (Overall)**

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

Non-UL Temperature Rating: 60°C

## 1406B Coax - Bundled RGB Coaxial Cables - High Flex

Bulk Cable Weight:	73 lbs/1000 ft.
Max. Recommended Pulling Tension:	103 lbs.
Min. Bend Radius/Minor Axis:	4 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	SMPTE
RG Type:	Mini 59/U

## Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)
75

## Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
17.3

## Nominal Velocity of Propagation:

VP (%)
78

## Nominal Delay:

Delay (ns/ft)
1.30

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
41.5

## Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
8.6

## Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.6
5	1.3
10	1.8
30	3.1
50	3.9
100	5.4
200	7.5
400	10.4
700	13.5

**1406B Coax - Bundled RGB Coaxial Cables - High Flex**

900	15.2
1000	15.9

**Max. Operating Voltage - Non-UL:**

<b>Voltage</b>
300 V RMS

**Minimum Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		10	40	25

**Sweep Test**

**Sweep Testing:** 100% sweep tested 10 MHz to 40 MHz

**Misc. Information (Overall)****Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1406B J5C1000	1,000 FT	81.000 LB	BLACK, VIVID MATTE	C	3 #26 FPE SH PVC PVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 10-04-2012

© 2013 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.