

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. (mm)
3	26	7x34	BC - Bare Copper	0.4826

Total Number of Conductors: 3

Insulation**Insulation Material:**

Insulation Material	Dia. (mm)
FHDPE - Foam High Density Polyethylene	2.2606

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. (mm)
PVC - Polyvinyl Chloride	3.7084

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: 9.855 mm

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 60°C

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Bulk Cable Weight:	108.639 Kg/Km
Max. Recommended Pulling Tension:	458.165 N
Min. Bend Radius/Minor Axis:	101.600 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
56.7613

Nominal Velocity of Propagation:

VP (%)
78

Nominal Delay:

Delay (ns/m)
4.2653

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
136.162

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
28.2166

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.9686
5	4.2653
10	5.9058
30	10.1711
50	12.7959
100	17.7174
200	24.6075
400	34.1224
700	44.2935
900	49.8712
1000	52.1679

1406B Coax - Bundled RGB Coaxial Cables - High Flex**Max. Operating Voltage - Non-UL:**

Voltage
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	305 MT	36.741 KG	BLACK, VIVID MATTE	C	3 #26 FPE SH PVC PVC

Notes:

C = CRATE REEL PUT-UP.

Test Reports**a) UL**

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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