# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



#### 1522A Coax - Bundled RGB Coaxial Cables Miniature



For more Information please call

1-800-Belden1



#### **General Description:**

30 AWG stranded (7x38) .012" TC conductors, foam HDPE insulation, coaxes w/Duofoil® + TC braid (90% coverage), overall Beldfoil® shield, overall PVC jacket.

5

## **Physical Characteristics (Overall)**

### Conductor

AWG:

		AWG	Stranding	Conductor Material	Dia. (in.)
	5	30	7x38	TC - Tinned Copper	.013

Total Number of Conductors:

#### Insulation

#### Insulation Material:

Insulation Material	Dia. (in.)	
FHDPE - Foam High Density Polyethylene	.056	

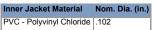
#### **Inner Shield**

#### Inner Shield Material:

Layer # Inner Shield Trade Name		Type	Inner Shield Material	Coverage (%)	
	1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
	2		Braid	TC - Tinned Copper	90

### Inner Jacket

#### Inner Jacket Material:



#### Inner Jacket Color Code Chart:

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

#### **Outer Shield**

#### Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

#### **Outer Jacket**

#### Outer Jacket Material:

Outer	Jacket Material
PVC -	Polyvinyl Chloride

#### **Overall Cable**

Overall Nominal Diameter: 0.338 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +60°C	
UL Temperature Rating:	60°C (UL AWM Style 1354)	
Bulk Cable Weight:	63 lbs/1000 ft.	
Max. Recommended Pulling Tension:	70 lbs.	
Min. Bend Radius/Minor Axis:	3.500 in.	

## **Applicable Specifications and Agency Compliance (Overall)**

#### **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CL2
-------------------------	-----

Page 1 of 3 01-05-2017

# **Detailed Specifications & Technical Data**





## 1522A Coax - Bundled RGB Coaxial Cables Miniature

AWM Specification:	UL Style 1354 (each coax); UL Style 2688 (overall)
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
RG Type:	Mini
uitability	
lenum/Non-Plenum	
Plenum (Y/N):	No

#### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm) 75

Nom. Capacitance Cond. to Other Conductor & 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) 100.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 9.5

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.8
5	1.5
10	2.2
30	4.0
50	5.4
100	8.2
200	12.5
400	18.9
700	26.5
900	30.8
1000	32.8

Max. Operating Voltage - UL:

30 V RMS (UL AWM Style 1354) 300 V RMS (CL2)

Minimum Return Loss:

DescriptionFreq. (MHz)Start Freq. (MHz)Stop Freq. (MHz)Min. RL (dB)104025

#### **Sweep Test**

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

## **Put Ups and Colors:**

Putup Ship Weight Color Notes Item
------------------------------------

Page 2 of 3 01-05-2017

## **Detailed Specifications & Technical Data**





#### 1522A Coax - Bundled RGB Coaxial Cables Miniature

1522A 0101000	1,000 FT	67.000 LB	BLACK	С	5 #30 FHDPE BRD PVC FS PVC
1522A 010500	500 FT	34.500 LB	BLACK	С	5 #30 FHDPE BRD PVC FS PVC

Notes: C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 04-11-2008

© 2017 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 2002/5FC, 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.

Page 3 of 3