# **Detailed Specifications & Technical Data**

### **ENGLISH MEASUREMENT VERSION**



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



For more Information please call

1-800-Belden1



### **Description:**

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

### **Physical Characteristics (Overall)**

### Conductor

#### AWG:

# Coax	AWG	•	<b>Conductor Material</b>	` '
5	30	7x38	TC - Tinned Copper	.013

#### 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 Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.102

### **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	Туре	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)

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Bulk Cable Weight:	63 lbs/1000 ft.
Max. Recommended Pulling Tension:	70 lbs.
Min. Bend Radius (Install)/Minor Axis:	3.500 in.

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

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

NEC/(UL) Specification:	CL2
AWM Specification:	UL Style 1354 (each coax); UL Style 2688 (overall)
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

### Suitability

### Plenum/Non-Plenum

Plenum (Y/N): No

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

Nom. Characteristic Impedance:



Nom. Capacitance Cond. to Other Conductor & Shield:



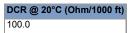
**Nominal Velocity of Propagation:** 



**Nominal Delay:** 



Nom. Conductor DC Resistance:



**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

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900	30.8	
1000	32.8	

#### Max. Operating Voltage - UL:

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

#### 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.

### **Related Documents:**

No related documents are available for this product

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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.

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