

## 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	Stranding	Conductor Material	Dia. (in.)
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	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)

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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:

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

## 1522A Coax - Bundled RGB Coaxial Cables Miniature

900	30.8
1000	32.8

### Max. Operating Voltage - UL:

Voltage
30 V RMS (UL AWM Style 1354)
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	C	5 #30 FHDPE BRD PVC FS PVC
1522A 010500	500 FT	34.500 LB	BLACK	C	5 #30 FHDPE BRD PVC FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

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