

## 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.

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

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
5	30	7x38	TC - Tinned Copper	0.3302

Total Number of Conductors: 5

**Insulation**

Insulation Material:

Insulation Material	Dia. (mm)
FHDPE - Foam High Density Polyethylene	1.4224

**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. (mm)
PVC - Polyvinyl Chloride	2.5908

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: 8.585 mm

**Mechanical Characteristics (Overall)**

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

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UL Temperature Rating:	60°C (UL AWM Style 1354)
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Bulk Cable Weight:	93.757 Kg/Km
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Max. Recommended Pulling Tension:	311.374 N
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Min. Bend Radius/Minor Axis:	88.900 mm
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## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CL2
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AWM Specification:	UL Style 1354 (each coax); UL Style 2688 (overall)
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EU CE Mark:	No
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	Mini
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## Suitability

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)

75

## Nom. Capacitance Cond. to Other Conductor &amp; 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)

328.1

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

31.1695

## Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

1 2.6248

5 4.9215

10 7.2182

30 13.124

50 17.7174

100 26.9042

200 41.0125

## METRIC MEASUREMENT VERSION

## 1522A Coax - Bundled RGB Coaxial Cables Miniature

400	62.0109
700	86.9465
900	101.055
1000	107.617

**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.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1522A 0101000	305 MT	30.391 KG	BLACK	C	5 #30 FHDPE BRD PVC FS PVC
1522A 010500	152 MT	15.649 KG	BLACK	C	5 #30 FHDPE BRD PVC FS 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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